



09/417, 522

RECEIVED

SEQUENCE LISTING

<110> Nehls, Michael
Zambrowicz, Brian
Sands, Arthur T.

<120> NOVEL HUMAN POLYNUCLEOTIDES AND THE
POLYPEPTIDES ENCODED THEREBY

<130> 8535-0027-999

<140> US 09/417,522

<141> 1999-10-13

<150> US 60/104,292

<151> 1998-10-14

<160> 503

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<210> 1

<211> 40

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

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40

<210> 2

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 2

gccatggctc cggtagggtcc agag

24

<210> 3

<211> 19

<212> DNA

<213> Rattus norvegicus

<400> 3

tggctaggcc ccaggatag

19

<210> 4

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 4

gtccagagat ggccatagc

19

Attachment
9

<210> 5
 <211> 18
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 5
 ccaggatagg cctcgctg 18

<210> 6
 <211> 23
 <212> DNA
 <213> Bacteria Phage Lambda

<400> 6
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<210> 7
 <211> 19
 <212> DNA
 <213> Bacteria Phage Lambda

<400> 7
 gggtagtccc caccttttg 19

<210> 8
 <211> 20
 <212> DNA
 <213> Mus musculus

<400> 8
 tccaagtcct ggcattctcac 20

<210> 9
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 9
 gtgtttgtgct gatgcaggag acaaccgcga agatggggac agaattcagta acatcgacgt 60
 aaggggaattg aagcagaaga tcacgctgcc tgcagacacc aggaaacgcc aagaccccccc 120
 ttccacgaac caacattctt ccacctcttc caactttttt ctggaacccc ttcactttcca 180
 accgccactc aatgtacact tcactttctc gtgctcttcc taagagagta gtgttttctt 240
 cctccccacc gagaaaaaaa ataaaagcaa caactggg 277

<210> 10
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 10
 cgtcatgttc ctgcaaagag aaaaataagg aaaaaatctg caaaacattg aagactcatg 60
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 agatttaaca cttggcaact cttacaacaa caacaacagc aacagggaaa aacaacaaca 180
 acaacaaccg aagagtgcaa aaagaactaa tgcattctct aggtaagcct ggatggagcc 240
 tctaagacct aacaggatgt ctgagattcc aggggaagtgg cctgtgatct gtcagtaaac 300
 aaataagaag ctaatacagc tttgttgtgt tttctgattg gcatggttct tgaactatct 360
 cctacttgta gttgcagaca aagaaacagg agatgaatta ccatgttcta ggactttgtg 420
 ttcctttcca attc 434

<210> 11

<211> 407
 <212> DNA
 <213> Homo sapiens

<400> 11
 gttcacaaca gtgttatggc gggagcaggg aggcacctac atccattgga cccatcctga 60
 cagctgggaa ggatgtgtcc agccacccag ggatgtgcat ctggcaccca cctcacaaca 120
 gctgtttctaa ccacgtaaga agcacaaggg tcaccgggta ctctccatga gaacaaaagg 180
 ccaaggatgc agagataatt gcatcaaagg gattcaactt cctggatgac ctcattccaa 240
 agatctgcag agcccagata agcatcccag ggttctggca gagggcccct ccagggacag 300
 gaaggggaca ggaagccggc ttcccggtgc tgtaccgcct tccttgggaa ggataggaca 360
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<210> 12
 <211> 200
 <212> DNA
 <213> Homo sapiens

<400> 12
 gaggagaact ggtggcttta taagaagagg aagagagacc aaagcatagc atgtcagcat 60
 gcccagtgcc ctctccacgc tataccctgt gccacctcca gacacttcag agaccaggaa 120
 taaggccctc accagaagtg cccctcaat cttggacttc ctatcctcca tggctgtaag 180
 gaataaattc cttttctttc 200

<210> 13
 <211> 128
 <212> DNA
 <213> Homo sapiens

<400> 13
 atgaaggaaa agagggagaa gaaaccagct gcctggaaga ctgaccctct gagatgctct 60
 ggagccgtgc agttgttctc actggcagat cagtccgtgc cctccaataa aagagagggg 120
 gatcttgg 128

<210> 14
 <211> 142
 <212> DNA
 <213> Homo sapiens

<400> 14
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 tgtactgctt ggaggagagc taccctggag catttgctcc agattctgca tgagcaaaaa 120
 ataaactttt gctgcataaa gt 142

<210> 15
 <211> 149
 <212> DNA
 <213> Homo sapiens

<400> 15
 acacttaatc tgggtgttcct gaggtgacc tattggaata tcttgctgaa gaccacgtat 60
 acaagatgtg aacattcatc attatgaggc tgaatgtaaa atacttcatt ttataatgaa 120
 gaaagtcagt aaaacaattt ccagcccag 149

<210> 16
 <211> 166
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (166)
 <223> n = A,T,C or G

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<400> 16
gaagaagaan ctncctcnn catgagaccg ctgtggggat ctggcactgt ggttcctgna 60
tgcaaacant ggtctggncg tgcctgggcn gacaataccc ctttccgtgt cncgggaaan 120
gcccncctta aaaaaactga ngnggttgaa aaaccagtaa accctc 166

<210> 17
<211> 113
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(113)
<223> n = A,T,C or G

<400> 17
accctgatna ngagaccagc tgaggcgaat tatgagtcaa ctaaaattat ccaaagatc 60
atattaccgt aaagtagttg ctgaatgtac acgaaatggt tagaaattaa att 113

<210> 18
<211> 250
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(250)
<223> n = A,T,C or G

<400> 18
cttctnctga agaatgagaa cacttgccag ccctttgcct atgttatcac ctggaataaa 60
ctggatgtgt ctnaatggaa cctgcctcct ttggggagcg catactcccg ccaggtcacc 120
acagccacca tgaccacctc atgcctccca tccacctgtt tcattaattt gtgcctggac 180
cattttcagt tttctggatg acatgggtga ggaggaggaa actcaggtaa atgataaagt 240
ttcgactatc 250

<210> 19
<211> 387
<212> DNA
<213> Homo sapiens

<400> 19
aagacagctg aatggttcca gtctttcagt cctgctcctg gccaaactg gacctctcaa 60
agtctagcca actcctcttc cagcgccctg ataaacaacc ccctcatgct gggaaccaca 120
gcagtgggct gtttttctcc ctcatgcacc ccaggaagcc tctcctcttt gcctgggctt 180
tcttcccaag gccttagctg ccaacccatt ttacacccat gcgaagccca gtcagtcacc 240
tgaagaaaag gagactcaca gaaggcccaa gatgaaagac tctttaatcc tgtggctttt 300
tgagttttgt ttttagcagg aagaccttat tttcaaaaca aattgttaca cagaatttgc 360
cagtttacag aacagatgaa taaagac 387

<210> 20
<211> 216
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(216)
<223> n = A,T,C or G

<400> 20
gcctaactgn tncaggagtg tctgcttgca tggacaccat tgtggaaacc ttcctccgca 60
cctgtgccag gctcttgtgg atgccatcaa caaacccctc tgacacctct gacgggagca 120

```

```
tgtgaataac accgaataat cacaacaaat cctcctcatc ataaagcctt gcgngggactg 180
gcactcgcaa atatttaaat aantattaaa acactg 216
```

```
<210> 21
<211> 541
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(541)
<223> n = A,T,C or G
```

```
<400> 21
ngtaatnnag gnggangccc cctggtgagg gaactgacca gcagactcca gcagctgtgg 60
gaaaactcta ctgatgacag gcaagaagcc agactgctca gacctagagc tataaggaaa 120
cctgagtaag ctcgggatga agttatcccc aatcaaccca ccagggtgatt ctgaagccaa 180
taatttggtc cttggaagtt tgtgctgtat ggaaaaaaat cacccttctt ggctgacatc 240
tgttttgctg gtaacacaaa tgcaacttat taatcatctc tgggtaagca agaaatgtaa 300
tcctgaaaat ggcttacaag agaaaatctt ggaagataag accgtaacac taaaacgcct 360
ctccagatgc cttaggaaca tccccaagca gtaacagata aagtcctcc ataggattct 420
tggttatgtt taagtttctc atagaaaaaa ataaaataac naaacncnaa aaaaaaaagg 480
gcccnggggg ccaattcagn ttggacttaa ccaggctgaa ctngttaaaa agggggggggg 540
g 541
```

```
<210> 22
<211> 492
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(492)
<223> n = A,T,C or G
```

```
<400> 22
gacgtctggg gagctcctgc nttaagtnaa acnngagggt ttngtnngcc cccagnaaan 60
nngantcggc canacccnaa aaaatcccan cctcaccaag agatgacacg tgacctggtg 120
ggcctcaccc agggcataca gctttcccag ctagcaaaca aacaagccct ggtcacagcg 180
gttatagctg gctcatggtc gctcacagac actctgggca tgcattcccg tgacttanaa 240
aagaggaggc ctttggaacc tgccagtgtc gtctgctgat tgtgagggtg ctggaacctg 300
gggccccatg gcccctccac accagcatgg tgctctgcaa aggccagctg ctcttcatcc 360
tgtctcaatg atacacagtt tttttcccca aaactttagt agcgccactc tccctatcac 420
tcgtctttta attttgcccc ttattgntcc ttanattaaa aaatatcctc ctttcatnng 480
agggttggac ct 492
```

```
<210> 23
<211> 273
<212> DNA
<213> Homo sapiens
```

```
<400> 23
gctctgagtc aatacaagta gggaagttca actgggtccc tgggtgttca ttcttggttg 60
gagagctgtt tgggaggctg ggaaggtcca ttagaagcat aattctattc cagagggtggc 120
ttggcagatg gagcatatca tgggttaatt tctcagcatg tcacagaaaag caattcctac 180
tagacctgaa gaaagtggct tctctcttaa cagaatgtta tctttttcta gagagtaata 240
tgtttttatt aaataaaaag catctaatag tac 273
```

```
<210> 24
<211> 495
<212> DNA
<213> Homo sapiens
```

```

<220>
<221> misc_feature
<222> (1)...(495)
<223> n = A,T,C or G

```

```

<400> 24
attgcaagcc cccacctatg ttgggttaatt ctgcttcaca tggaagagac agccattggg 60
ccagccctga acaaagatcc ctgtcaccaa gatccactgc tcctgctgtg gtcaggcaaa 120
gagaagggtta tgtctcctga gttctagttc tccgtcctga agtccatgta atgtgagtta 180
caagccgtct gcagagggtga gcattcgact ctggccagct caagttattc ggcaagggtgt 240
gattgtccag tcttgaggct gtttgctggg agaagcacga cataggctat tgccagtgcc 300
aaggagaaca atcctaataa gactgacagc cctgccc aaa tgacatggca ttgaaaatga 360
cacctgactg aatgaanctg acccttgagg taggcacttg ancttnttca aaaaaanaagg 420
gagggaccag ccncaganga ggcatggatc caaacttttg ggatcctcan aaatgtgtga 480
agtgactcct tctttt 495

```

```

<210> 25
<211> 468
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(468)
<223> n = A,T,C or G

```

```

<400> 25
attttcctgt agagtttagga aactgacaac tagaagacat aaatatctgt tccaactggc 60
tgctgtactt ctgtgtatga ataaattaat gttctgtttg aaacatcagt ctaagggaga 120
agagaatgta catgcagata gcctttctat cgacctctat aaccaagacg gcaagcttta 180
tgaaggagga gatgctgtct catttacaag agccaaaagc agtgttcctt aactcttggc 240
tgagggattt gccatgcagg ataactcata tactatcatg tccttagaga agacatcata 300
ttcattttgt ttttctcgga gtaaatttta gtgccgtgat accatttggg tattcattaa 360
tatttatcac acnaaggaat taaatgggtc tcccgaacct ggcnttaacc tccttgctaa 420
cctaataattc attcaacaaa tattaactgg gcactttcaa tggggcag 468

```

```

<210> 26
<211> 176
<212> DNA
<213> Homo sapiens

```

```

<400> 26
gatcatgaat ggaatgacac actctgaacc gaagagacct tacagatcat ctagttctcc 60
agccttgaag atggggaaac tgaggctcaa ggaaggcatg taaacagcaa cctcgggatt 120
ccatttaaatt tctgcctctc tggatctgct tcctgatata taaaatggta ataacc 176

```

```

<210> 27
<211> 104
<212> DNA
<213> Homo sapiens

```

```

<400> 27
actggcatga aatgacagat atacagagga cccttgaaca acctggggtt gaactcctca 60
acatggacac ttatacacgg atttttctca ataaaagtga cacc 104

```

```

<210> 28
<211> 472
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(472)

```

<223> n = A,T,C or G

<400> 28

```
ggggggggcctt ccttnccttta gttccgaact ggggggggagg aaacccccan aanttaaggg 60
gtggggttgn ggaacttggc agccentttt tttaccaac taaataaaaa aatctgggtat 120
tncaaaaaca tggaccttna ttgnngccnc ccnttttnct tnattaaaaa aaccaaagg 180
ggggccnttg gaccttaaaag gnactaaaat ggncaagggg gtggggacca anaaatccaa 240
agtttgncn ngccccacc aggttttttg ntttttaaaa taaaccccaa atttgggnca 300
aaaaaatctt tccttcaaaa agaccaaaaa ancncgattg aaagggggga aaaaatggcc 360
ccnttttggg gtttaaaaaat tttaaaaacc aggnaggacc tncccccttt gngtcctttt 420
ttcaaggggt tcaaaaataaa ataaaaaccn atttccttag tggattttaa gg 472
```

<210> 29

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(443)

<223> n = A,T,C or G

<400> 29

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atctcactga agagttcttc tgtgcctgga agacttattt tcagtctgag agaagtgatt 60
tttcaatggg tctgttgaac atgcaattct cactgaaagc accagatttc cgcgtaggag 120
ggactcgggg gcaacgatgc aattggaaga actgcaccga aaatgacgat gtcttctcat 180
gcatatgaat tatccaaagt gtgggaagat gcgccccac tggagtacgc tgaagccttt 240
aacccaagta catttaatgc tgcgaagccc cgagtgaagg aaaggtgtct ttttatttta 300
gaagacattt aggacagttc atgtcactct gcacagatgc actgaaattg attgnggggg 360
caaacnttaa agagagctta tgctcccaaa atctgtttcc gagccaggta ggatgatgaa 420
ttctgaggtg ggactggagg ggt 443
```

<210> 30

<211> 254

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(254)

<223> n = A,T,C or G

<400> 30

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tctctcctct ggatctgagc taaaagaatt cctgccttac tggaaaaaga gtacagcaga 60
gtgggtagaa gatcctgaag ttggtccttg ctccctttca gacccaacg ntctcagtct 120
ccctctttcc tggctagtgc attacaggca cactaaatat tggttggtgg gatgatgaca 180
gaaattacct tttcctaata tttcctatag gtaattatta gaaaattaaa agtagccact 240
tgcaaattaa aaag 254
```

<210> 31

<211> 120

<212> DNA

<213> Homo sapiens

<400> 31

```
aatatataac tcgagctcgt gttcctgtcc caggagagag agatgaccct cttcttgggtg 60
ctttcccact ttagttttca tcttccataa tttacgaata aatgcataaa atggaaatgg 120
```

<210> 32

<211> 124

<212> DNA

<213> Homo sapiens

```

<400> 32
atctcggaga gaaacgcac tatcagattt ttactgatac cgaggaagaa gtatctccct 60
cttcgaattg tattgtacat ttgcattgat gtggttattt tcatctaaat aaagtcaaac 120
aggt 124

<210> 33
<211> 373
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(373)
<223> n = A,T,C or G

<400> 33
gtgggggtctt tcaagatgaa atcagagtaa ccccatggag gtcttgagtc acggtggcac 60
cttgccctgc ttgcctaaca aagacctcct gggaggagga cccagaagag ggcagggctg 120
aagaagagtc acagctgaag aatgtgactg ttgcccagga aagccacttt ctttctgcag 180
caggattaga attcctacaa ctccagccaa aggaactggg ttgggaagcg atactgcaag 240
cattcatgtg cttccatcct ggtcttcagc ttagccacgg tcctgcgggg acagtgagtc 300
cctctctgag tggccaggac ctncacctgg cccacaggaa gcctttacca gcaggaagcg 360
aaacgggatg ggg 373

<210> 34
<211> 480
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(480)
<223> n = A,T,C or G

<400> 34
tgtcattgag gagaatttgc ctaggagatg caaagagaga gaagcccata ctttgagggt 60
ggaagcccct ccaacaggca acatgactgc agcacaatca actatggctt tgctgatctc 120
gtgtatcatc atcctcatca tcctcatccc cgcaattgca gcaaacgtcc agttgtgcac 180
ttgctgctga tgatgaataa atgtatagaa caggaaaaaa tgtatctcac cttcagacag 240
aagatctctg ccatcatgtg agagagagcc tgagttagcc tgctggatgg tcaaagatga 300
gtggtgcagc taagtgaag cctgctgact tgtagacata tgagtaaggc catgcttgat 360
cacctggctg ccagctggcc tgccaactaa ttggagggnac ttggaaagan tcnacnaaan 420
atcaccccc caggtcaaat aaaccccagc cccctccttg agaatgatga actaaataat 480

<210> 35
<211> 100
<212> DNA
<213> Homo sapiens

<400> 35
aaagatgaca gaagaacaaa gatgaaggag gaggccactg gtttacagga agggtaaagg 60
acaacgacta tccagatttt tcttccaact ttactttaag 100

<210> 36
<211> 183
<212> DNA
<213> Homo sapiens

<400> 36
gcagaacca cggtcgtaat gggatctgtg actgtcacca gaagaaatca ccaacagttt 60
cgtatcacgt gagagttttg caggtgcctc caaatgccgt ccatgctcat caacactgtg 120
acatcagctg cggttcttta atgcatgtga taaggaagca cgtatattag aagtttgggt 180

```


ttt

183

<210> 37
<211> 144
<212> DNA
<213> Homo sapiens

<400> 37
aaaggacttg tacctcccag aagttcacgg aagtgtctag gacaacagaa tattgtgagg 60
ccaacacagc aaacagagca acgatgagca gccacttttg actttgggtt ccttattcag 120
gaaataaaaac agatgatctg acag 144

<210> 38
<211> 140
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(140)
<223> n = A,T,C or G

<400> 38
gatctgtaga gagacagcgg aggcaaagat acctggagcc gatcanagaa gagatgcccc 60
ctctgaaatg gacacgccta aggagacatc aaaatcttca ccaaaccttg tctaataata 120
cagttaaatc aatatcagag 140

<210> 39
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(442)
<223> n = A,T,C or G

<400> 39
gagagaatct aatataactca ttcacactga ggtgtaaggc tctaagaaga tgtacactgc 60
ctgcccaggg atatatccag ttcacctgga agctaagcaa gaagaattaa aatacagaaa 120
tggaataaaa gtttgcaacc tctccaaccc tttgttccag gctgcttttt acgcctcaaa 180
acttaccaga ttttgtctgc acctcccaga caacctcaga aatgtgtttc ccaaaaatct 240
ctttccctgg tcagtttctc tgatcatgcac tactttcaga aaccagact atcctctggc 300
ccatcagccc tcatgcccag agacccatgc caagttaaag ttgntcattg ggcanagat 360
atgtctccaa ggcaccttct aaatctgtca aggccaattt aggaacagaa ggttgaggcc 420
agatgggaaa agttgggaaa ca 442

<210> 40
<211> 414
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(414)
<223> n = A,T,C or G

<400> 40
gaaacagaat gtctgtgggc angaagttcc ttcttggggac taaaccagtt gaagctggca 60
aaatccatga tggcagctta ctcgatcttt gaagaacctc tagcttcatt atactccaac 120
ttccatacta aatgacactc ccaccaatgc catgacagtt gacaatcatc atgacagtga 180
ccaaaaagaa ccaaaaaagg acaggaaaga agtgggtact tgattccagg aaaatctcca 240
tcctttccca agaaaagcat gaatattcct ctcccttggtt ttaacgctca aacctttcat 300

```

taaagataacc ttgtgtctgt aacttcctga ttctcaggag ctgacatggt gatgtgtgag 360
ccacactccc acttctcatg tcatgacccat cgaataaaaa ctggctcttg tttt 414

```

```

<210> 41
<211> 271
<212> DNA
<213> Homo sapiens

```

```

<400> 41
actttgatgt cttcaaagca aggcgagtga gtggcactct tcagacaaga aggaagatgg 60
caggtgaaat catcttcttc taatgagccc tgtgctatgc ttgctgatgt ccttggtcac 120
ggagattttc agaaaagcca tggccttacc agtgaagggt acacagaggc cactggagtc 180
aagtaattca ttgtctctta ttacatttag gcacttcttt atccatcatg caggctattg 240
ggattaaaat gggtcctttc aacaatgagt c 271

```

```

<210> 42
<211> 111
<212> DNA
<213> Homo sapiens

```

```

<400> 42
ggataactac tggatcagca gtactccaga cagtgttca ccagactggg tccctggatg 60
atgaaagagt cccccctgca gtaccacaat aaaaatgtag tgtgaatgag g 111

```

```

<210> 43
<211> 473
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(473)
<223> n = A,T,C or G

```

```

<400> 43
aaaccgagac agtaccact gccagcagca gatgggaagt ctaaacagga gagactgaat 60
aaagctgaca actgaggcag gataaagaag agaaggaaca aagaaggagg gggcaggaaa 120
agaagccaag cagaacatgc tagcctgtcg attttgtctt ccattaaggc ttcagcagaa 180
gataagaaaa gctaagccac gtcagtgaag ggaggacagc aggaaggctt tcagggggaa 240
atttgtggtg tggattcact cggcattgat gagagcagct ccccagacag ataccgagaa 300
tgaaaaacca aaccagtgc caggaagaga agatatgaag aaaaatataa gtacatcttt 360
tattgtaaaa atgaataact ataggctata gactggatnn gggaanccta atccctaatt 420
ngnatggaat tgggagngg ggctttggga tgccattatt taataggtca aga 473

```

```

<210> 44
<211> 429
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(429)
<223> n = A,T,C or G

```

```

<400> 44
gtggggtctt tcacagtcac cagcatcaaa ggagcagtag tggcagcaga gtctcaaccc 60
tacagaaacc tgagcgggtc anaacgttca tcttcatcta gccaagggtga aagcaccag 120
aaaccaagga cagacagntg tgagagcaag ctggcagcaa agggctgagc tctgaatttc 180
agtctggtag agcaaaatga ttttctcctt cagcaatgtc agaagaacca tcccttattt 240
caagacatcc ttacacatct gctgtgtgca aaacctgcac acaggacgtg gttctgaact 300
gcttcttcaa aacaaagtaa atgaaaattt cagtggctcc agcagtcggg actgttaggc 360
atgaaacaat gagaagtacg aaataaatct tatatgcttt ttataattt agtaacccat 420
taaaaatcc 429

```

<210> 45
 <211> 489
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(489)
 <223> n = A,T,C or G

```
<400> 45
gagcatatcc tccgttggaa ggaagaaaga agacaaacag cagcctgcat gcttttgaag 60
ctggactatc aacaaaggat cttctcaatc aattcaccac tagcaacaga atgcaggcgg 120
ttctcagaaa tggctcacia agaaacacia aaaaaggntg tctgaangna aaancnagaa 180
aaggttccct tcnnnaaaan gnaaatggan cnttnancnt ttttngggnn gcagaagtgc 240
cacggnctn tnantgctgg taattnaaan agggncanaa cactttcttc aggccaccn 300
agggangttt tatattnccc atataaagan acaaattccc acantgtgcc ttccttgngg 360
tntntccaac tctttgccaa caagaggcca acccgggngg ggccccncc aggggaaaaa 420
aaccttttgg ggngganccc cctttgggca ntgccaanng ccttttgaca tttcaccggc 480
gggaagaga 489
```

<210> 46
 <211> 358
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(358)
 <223> n = A,T,C or G

```
<400> 46
ggatttcaga cnaaattcag ggattcttcc cncccaaga ctgtggttca gaccacggtg 60
acgtcttcca ggcaccagga agaaatacga ccaacctccg taacaaatga gagaaacttc 120
acctgactgt gttttgtgca tttggnttat gaggcgtttt aaaaacgtgt acttttactg 180
ctgcgttcag gttttcagcc atagaatatt ctagaaaaaa atagtataa catttatttc 240
accgctataa ccctgaatgt gtagctgtgt tttttaaaaa aacatttttt tacaattgta 300
gaatatgtaa catgcctcca gaaacgtgcc ctaaacacia atatataatt tggcaaat 358
```

<210> 47
 <211> 177
 <212> DNA
 <213> Homo sapiens

```
<400> 47
gaaaagctga agatgggtcag acctgggtggc acacacctgt aatgccagca cctttgtgag 60
gccaaaggcag gtggatcgct tgagcccagg aattcaagac aggcctgggc aacacagcaa 120
gaccttgtct ctataaaaaa ataaaaata aaaataaaaa taaaaaaaag atcagtc 177
```

<210> 48
 <211> 536
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(536)
 <223> n = A,T,C or G

```
<400> 48
gacgtctggg gagctcctgc nntanntnac actctgnnag aaccatggc tcatgaatca 60
cccctttggc ccaaggatga gtaccacacag cagcaagctc ttccattgga aaccacgtg 120
aggaagacat ggtcaagctc tggcagcaga tcaagctgtt atggcaagaa ttcctggttc 180
```

tgcgtcccca	gcatgtaata	tagaagatct	gggagtgggg	tcttgggtct	gtaatgtctg	240
tgatatggct	cctcacatct	tcttgtgtag	agtgtcatgg	ccaaaacagg	aataaccgtg	300
tttgccttct	tgaattcccc	agtaatgagt	ctgaagctag	tctgaagcta	ccacagtcta	360
ttttaaggga	ttccataaca	tgtttgaatt	atatctatat	ggnagggact	ttcaatcagt	420
agccaagatc	tgntactaaa	attaaatncn	caatttaatt	tccacaagct	acataacctc	480
cttcanaggc	ctgccaaaat	tnttaatgga	ggacaatgaa	agttcgtaac	cttctt	536

<210> 49

<211> 374

<212> DNA

<213> Homo sapiens

<400> 49

gtgaggaact	gaaattgagc	acttgaatgc	ctggaaccac	atatccaacc	aatggcagcc	60
attgtcctct	caaagccggt	tcacttggtc	tcaagacact	ttatgtcgag	ccacagctac	120
ttcatgtact	gggagcacca	ctcctgaaga	agctgactca	gcttcaatgc	aaggaagaaa	180
gtctgactag	ttaggtggaa	catgggatct	gtaaagcatg	gtgctgtgcg	agaggtgggtg	240
gaatgcatgg	gcaaattgatc	tctggagact	ctagcaatca	ttccgaagtc	tgtgttcaag	300
cagtaaacia	acagcacact	cagtaaccag	tattcttgta	aagatggagg	atggtaatta	360
cattctgtga	ctag					374

<210> 50

<211> 595

<212> DNA

<213> Homo sapiens

<400> 50

aggaaaaggcc	acatgaagac	acacctagaa	tgtgcccgtc	tgcagccaag	aagaaaggcc	60
tcaccagaaa	ccaaccccta	ctggcacctt	aatcttggac	ttccagtctc	cagaactgat	120
gcagtagaaa	tgaggccatg	tgactctcca	cgctggagga	ggacaggcac	tgaggcttcc	180
gccagctcgc	tcttgcttgt	gtgatgcctg	cccttggaac	ccagccaccg	taccgtgagg	240
aagccaagca	gccacgtgga	aaggccatta	caggtgttcc	agccacagtt	ctcatggagg	300
tcccagctaa	tagctggcat	cagctgccag	acatcacacg	gtgagggaga	ctgcacaaga	360
ttctagcctc	cgccccctga	tgtcccaact	ttgaaccagc	ccacctcact	tgagtgccgc	420
agagagaatt	gagtattatt	gctgaactct	gccc aaagtg	cagtttgtat	gcaaaatact	480
tcttccctta	ttttaaagtg	ataacttttt	ggagagactt	ttttacacaa	caagtagata	540
atggaacaaa	tactacttat	gattttttgca	gagtaaatacg	gcttctcgct	tttcc	595

<210> 51

<211> 268

<212> DNA

<213> Homo sapiens

<400> 51

gagattttca	aacctcagta	tgactgaaaa	tatacttcag	aaagtcaaga	cctgggccta	60
ggagtctgca	ttaaaaacac	tactctgggt	agagataaag	aaagggactc	tctgagatga	120
gggaaaagca	gtggtttcta	atctgtgggc	cagagatctc	tgctgggatg	aagaatatgg	180
agggagaaac	aagagttatt	gtaaaggggc	tacaaagctc	tacgtatgca	aagcactatc	240
tatagactga	ataaataagt	cttgcaact				268

<210> 52

<211> 60

<212> DNA

<213> Homo sapiens

<400> 52

atatttcgct	ctgaagaaac	atcattagaa	ataaataaat	aaaattaaca	tataatacct	60
------------	------------	------------	------------	------------	------------	----

<210> 53

<211> 419

<212> DNA

<213> Homo sapiens

```

<220>
<221> misc_feature
<222> (1)...(419)
<223> n = A,T,C or G

<400> 53
tctcaatacc ttcacagagg tgaagaagca gcaaccaaat gaattagaca gcaacatgat 60
tcctagagaa tggcaagacc aattcttcaa ctacttcttc agcatttctg aaacatatgg 120
aagatggccc attgtgctct ctttaattctt tgataatctg gacattgact tttccattat 180
atgacctggg cttgtgggca tcatgtcata atgcacctgt tcagacatct ccctgtacca 240
atatggatca cttgaagaga ctccctttgcc tccatcaaaa aggatacagn tgtgtatctc 300
ttccattttt gnttacagn cctaaaatta tttgagcagg ttttcacctc ttctctgaat 360
aaacacctta ttagtcctta aaangaaang aaaaaggga aataaaaactt ttaaatagca 419

<210> 54
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(450)
<223> n = A,T,C or G

<400> 54
ggncgaggca gaaccaaacc atggatacgg gtcctttgct caaattcttc tcaatgaaga 60
ctctgtgatg aagaggccac ttccatttaa aggcagcgac acttagaaaa tcacaggcat 120
taaaacttag aagaggctac cttatccaac gtcccagcca gcacagccat cttttcacag 180
catccatgac attcagcctc ctctcagaca tgggaagatc acctcttcat gaaacagcag 240
attcttcaag gataaggaaa tggaggaaca aagcagtga gtaatctgtc caaagcccaa 300
aagttgaatt gttgaaactg acatctgaaa gcaagtagcc tggcttcaga gtatatgctt 360
ttaatcgctg tggtatatac tgccctctta tatgtgataa tatagtatat ttattaagtt 420
attaaaagaa acataagttt ctttggtgtc 450

<210> 55
<211> 172
<212> DNA
<213> Homo sapiens

<400> 55
ggactaagga ccactaacia cagatccaag aacacatgta atgcaaacca ggtattcata 60
tgccctctgac attttcaagc cttaaagatca agagccatca tcttttacia gagttgcagt 120
ttggtcttaa cctccaaaaa agaaaacttct aataaatact atttccttct gt 172

<210> 56
<211> 211
<212> DNA
<213> Homo sapiens

<400> 56
agagtttggt gctaaacatt taccagcaca ccctaaagag aggagaaaaa aatatgtgaa 60
gaaaaagaaa aaaggagaaa tcaaagaaa agaaagcaaa aagagcatat ttggatgtgg 120
aagaagaaaa agacaagttg aactgtctta aattccagcc catgaaagcc ttcctttttt 180
taaataaagt ttttgttttg ttttggtctg g 211

<210> 57
<211> 328
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(328)

```

<223> n = A,T,C or G

<400> 57

```
taccatgggtg tnttgaatnc agcttngctt tcacccaaaac ccgatcatgc tnggcaccct 60
aatattcaaat ttccagcctc cagaactgct ccaagaaaatg gaattttatt aaaagatgga 120
agaggaggat atttgagaga aggggaacta cctaatactg aaaactaata cagtccagga 180
tacatagaag atgatcaata acacttatcc aatctaaatt accctatcag caagtggaga 240
gttctctctc gggagtgtctg ttttctttcc tgccagtcag ctctgtcagg ttgaatagaa 300
agcgataaat aaagaggaaa agaattcc 328
```

<210> 58

<211> 208

<212> DNA

<213> Homo sapiens

<400> 58

```
gagttgggtg ttaaaaagag cctggaatct ccccgctctt ctctggcttc ctctctcact 60
catgtgatat ctgcacttgg aggcctctct tctctttctg ccatgaatga aagcagcttg 120
agaccctcac cagatacaga tgctgggtgcc atgctctctg tacagcctgt agaccatgag 180
ccaaataaac ctgttttctt cacaaatt 208
```

<210> 59

<211> 334

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(334)

<223> n = A,T,C or G

<400> 59

```
catatctcaa aaatcaagat gaanccttaa gctttctacc cagatgttgt gggaacttga 60
agacaaagtc tcaaagagac tccgttttgg tcaacaatta gcccttcac atttggatcc 120
tgggccacat gtggaaataa agagtccag aagaattctc ccatgaaggc attggaatgc 180
ttcaatacat agttttgtgc caaatctaca ataattctcc caaaagaaag actcttcagt 240
gttctggatt tttcgggact tntcttattt tcttgtgcaa catcttaaca caaactagaa 300
taaagatgac atataatcat ctgcattcat gaat 334
```

<210> 60

<211> 176

<212> DNA

<213> Homo sapiens

<400> 60

```
aaagctggtc gttaaacatt tactaaaaca ccactggata caagtgacat catacaagat 60
ccagtccttg caaccactga tctgcctcct ccctctatgg cgtcacctgt ttggaacatt 120
tcatgtaaat ggaaccatac aagatgtgac cttttgtgac tggcttctct ccttgg 176
```

<210> 61

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(381)

<223> n = A,T,C or G

<400> 61

```
ctgcaatggt cctagagaga agccagcact cgccagatct ttggccaccc cgaggtgtcg 60
tgtgcataag ggaagatgag aggctggttg acgcccaccc ttcaccagtt ttgtaataa 120
caagctggcg ccccagaacc catccacagc agctttttca gtggcattat gcattcgtgg 180
```

```

tgcaagcattc cttactgtgc ttcaatcagt ggcttcagtc gtggccggcg cacactgatg 240
gagttttcttc ctgcgtcgcg gtcataatctt cctctttgca tgtctgatga cttttgatta 300
gatgcaggcg ttgttcactt tccctgttga gttctgagta tatttgcatt cctattaaat 360
atccctgngt tttgctctgg g                                     381

```

```

<210> 62
<211> 141
<212> DNA
<213> Homo sapiens

```

```

<400> 62
gaaataaggg accctggcat ggatggagca tgtgaaacta tcaagaacag tgaaatgttt 60
cagatttttg ctatttgcca gtttcgtttc atgaatgctg gcagaagacg cctgaatcaa 120
agataaaggc tgtttttact c                                     141

```

```

<210> 63
<211> 581
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(581)
<223> n = A,T,C or G

```

```

<400> 63
atgtgcagcc tgtcaccaac accaggaagc tcagagacgt gccacctgga aaggaaatca 60
gacaggagag ctcagggtcg aagtcggccc ggccgcctgg agctccaagg ggacaaatgg 120
agcccagggt caaccgcagc cagggaggca acgtctgtgc acctgcaact tcccatggca 180
ttgcccaact caatggctca agaacctgcc ctgtcctgct tcggggccag cattccatcc 240
tctgaaagaa cagagcgctc cccacatgct ccgtagggac catcctgcct ctgccctccc 300
cacttcacca gaagaactcc tcctcatcct tctgggcca cttggcagca actcctccgg 360
gaagccttcc ttgtctctcc aagacacgga caggcacccc tcgtacgtgc caatagcatt 420
cccatcagca gttgtcacac acacaaggct catgacctcc ctccccacct gtgccccag 480
gggaggggct tncctggggg cagggccatt tcgtcgtcat cttccagcac cacacacact 540
cggtttgctg aatgcttnc taaataaattc ctgccaaatg c                                     581

```

```

<210> 64
<211> 244
<212> DNA
<213> Homo sapiens

```

```

<400> 64
atgtcatgtt ggagcattgc agactgctct tctcccttct gcctttacat acaagatgcc 60
tggttgctgag aacacttggt ccacttctc tagcaggcaa ggatctgggc aggacaacaa 120
ccacaggcat gtgctttctc atcatgtgat gtcactgcc aggtcatgat gcagcaagaa 180
ggccctcacc agatgccacc cctccagaac catgagccaa ataaatgtct gttctttata 240
aatg                                     244

```

```

<210> 65
<211> 362
<212> DNA
<213> Homo sapiens

```

```

<400> 65
gaaactctcg aagggtcctg cctcagggtt gttttatcca ctagctgctc tagacacagt 60
gcctgtggcc ttccagctat tcagtcaaca gcatatgaaa atgcagttca ttaaaagtaa 120
accatccaag tcacctgttc actgtggctt cctgtcagga gggacagttt agatgacttc 180
ttggagcctg tcaactcgta ctgcaactgat ggtatcagat gcaagctggg gaatttggaa 240
tgctatctgc aatagtgaca tctggtggct tctaagtctt actgcacctc cttaaggcag 300
gaaagcaagc ctggccttta agcagtattt gtgaaaaaat aaaggaatta catgagttct 360
gg                                     362

```

<210> 66
 <211> 418
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(418)
 <223> n = A,T,C or G

```
<400> 66
ggtctatgct acaccacctt ntgcttacac cgaaacaaaa gggntggag ggagctgagc 60
ccagagaggg atgatgcagg ctcttcacaga acctgtgtcc tatgcctcaa gccttctttc 120
cctcctgctc gctgacaact gctgaagcag aaactaagat tacgacacta ggtggcagca 180
tnatccacag ggaagacaac ttgagtttgg ggagaccacc ccccgccaaa ctcaacacaa 240
tttggagagg ctccacgaaa aagaccagcc cccaaataac agggagactc tgcaatgctt 300
ggtttccagt gatgatcaac actttaaggg ccaatggaat tcacccttac aggggaaagg 360
ggaccgttga antancctgg ggnngggagg ggcattgctcg agaaacccta cctaattgc 418
```

<210> 67
 <211> 322
 <212> DNA
 <213> Homo sapiens

```
<400> 67
catggagcct agtacaaaga aaatatccaa tgaactgaat ctctactctt ctctgaaaac 60
tcaaaagatg agtaaaggaa agtctgctat ttccagagtc cacttgctct gagctgggtt 120
tcttctaaca cacatcacaa aagagcacga tgctgtgaac ctctcctttg gactcaagt 180
tactaatggg gaggaatggc aagttacatg cattatttct ggattctata aaaatgaaag 240
tgatgggaat taaaaataag ttcattaata ttgtaattta tagttctgaa gagcttttagc 300
aaataaacta aacattccaa at                                     322
```

<210> 68
 <211> 317
 <212> DNA
 <213> Homo sapiens

```
<400> 68
ggtgcttttac gtccccacca aggcaagagg aacgccagcg aggaagacaa agaggcccg 60
ggtggggcgc atgcccgcga ctggactgaa agctgagtca caggaatcgt acccctgcag 120
cgggccaggg cctccaggga gggacaccgc gcccttgtgt ggagatgtcc acagtagaca 180
aaggcagttt cgaaataaaa gaatgcctgt caccaccagg gccaccocga cccttagtta 240
ttatgcactg gtcccccaaga gcaatttctg cgctgctgtt gcaaaaattc atcgtaatga 300
aataaacgta aaagggg                                     317
```

<210> 69
 <211> 678
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(678)
 <223> n = A,T,C or G

```
<400> 69
gactctgggg agctcctgca ttanatnana nntgnngata tcnactctaa nagacatnaa 60
ggaggcacia aagtcctcatg ccgagagaga agtcggtaac tacgcctgtg accgggagag 120
gccggacttg ctctccttcg cctagggttg cactcagagc aagagagaat ataggagaga 180
ggaagagaga aaggtaccgt cctgacagggt actttccttg ctatcacaga aagaacaagc 240
ctttcatggt ttattgggaa ccaagctcag gtgtccctgg aggcagagct acgtggacc 300
agcaggcaga agagaaaaga gccctgaacg ggaagtgtga gacctgtgtt ctattttgag 360
ctttgcccc aactgttaaga ggactgacca tttaacaagg gggagctggg gagatgactg 420
```



```

gacactttga agtgacaccg ggacccaagg gttctcaagt tcattatttg tgaagaaatg 480
gngcttgntt ctgtgatctt tctctgctct gaaatactac aggccttaan ctagatgccc 540
tttgagggnc tttcctggat caacagatgg aggacttttc aaaagcagac gaaagtgaat 600
gggatcactc acacctctgc ttcggacaca gngaagccca gatggagaag aaagaaaact 660
tggncaaagc tatacttg                                     678

```

```

<210> 70
<211> 257
<212> DNA
<213> Homo sapiens

```

```

<400> 70
gacacaaatc caggagccat tccttctgcc tgggaggagg gagtgatgaa gaccagagga 60
atcccgaggg agaagccatc tgagatcggg aggaggagaa atggaacatc aggcggagga 120
aacagcccag acaatcgcac tgggacgtga aaacccttgg gctgcatgcg gggagaaaac 180
cagaattggg gatgggttagg gttttggagg gaaacacagg gacatgtgac caaaaaaat 240
aataactact gttactt                                     257

```

```

<210> 71
<211> 491
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(491)
<223> n = A,T,C or G

```

```

<400> 71
gtaacctaat gggttttctca gccaaagccgc aagcatgtaa ctgcaacttg aaggaggaag 60
atgtcttttag agacttagaa aagaccagca agcttcttta caaaatggtc tcttcaatcc 120
tggcatccac ttgggaccaa tgagatggga tgttcacctc catagatttt cacatatgta 180
tctttaatgg tatccccagg agcctctgaa gtgcatcagg actttatttc aatgaagtgc 240
acactaagcc aaaacaaggc atgccctatt caatttcttg tgtcccatta cactcagctt 300
tgctgtccaa ctgatcacac tagctgaagt caaaaatgtg caccagaaaa taaaatgagg 360
cctacttatc agattggcaa aaannaaacc aggtcataaa accccttttg gtaaataatat 420
ggaaaaaaca catcttttta tatgcattgn catatatata tacatatata tgctgcatta 480
atatatatac t                                     491

```

```

<210> 72
<211> 196
<212> DNA
<213> Homo sapiens

```

```

<400> 72
ctaccagtct gaccctgact caggcctccg gaagaaacca ctcgctaatc acagtctgtc 60
ttgcacccag acacggcatc tcagacactg cacaaattaa gaagtcaccc tcaaacctc 120
tatacagtgc aggaatacag ctaagacacc acacccgagt actaacatct gcaaattctg 180
aaaagctcct cataat                                     196

```

```

<210> 73
<211> 511
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(511)
<223> n = A,T,C or G

```

```

<400> 73
aaaaacagag atctgtgttc tgaatggaaa aattcctact gatgccaccc actagtctgg 60
aacaagtcag tctcaaacat aacaacagac actggggagc tctccaacaa aagatcacct 120

```

```

cccaaagaac aggatggtgt cgaagactga atgccagcct gaggaacacag aaatactaca 180
gaagcacgcc agagcctgca gtgtctcctc gctgcctctc aatgaactgc taaaagacca 240
agaactctgc tgagagataa gaagagggga ggggtgtgctg caggtggtgc tgggaggccc 300
agaccttctc ctgacatctg gggctggcta caggaaacag aaacatcacc caggccttgg 360
cgccgagaca ggacagaagc agattgtgac tnaaatcttc nggnnggaaa ggggggcctt 420
tctttttntc cttaggggnt anaacnaaag ccanaaaggg ttcattccaa ggnaaccctt 480
aaggcagttt natgatccct ttcaaccttt t 511

```

```

<210> 74
<211> 499
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (499)
<223> n = A,T,C or G

```

```

<400> 74
gactttgcgt gtgaccactg cacctccagg aaggccaggt gcacatcgct tcccatgcgc 60
ccggcctcat ggcctttggg ggttgctcgt tgggaatggag atgacacgag tgctgcatgt 120
gaggtcagtc aggatctttg attttggagc acaagccttc tgcgtgctac tgactgggtc 180
ctggcctccc tccttccatg gcacgtcgt gaatgggaat ttccaccact gcctccatta 240
gcttgaaaaa agttctccac agaagtaatg accctggact tgcagaagag agcgctaaag 300
ctcagaaagt aaagtcagct ctcaagaaga ctctgctagt aattagcgaa gtaggatccc 360
accagatct gcgttctcca cctgntgnca catgaagcng gggnggtnaa aacagaccng 420
ggaantggnt acctcattac aatgcccnc tgactggtnt aanttccna naggggttat 480
tgccatttt gttcaatga 499

```

```

<210> 75
<211> 427
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (427)
<223> n = A,T,C or G

```

```

<400> 75
gaaaaaagta tcagaatgct ttctacatga acaggaagac taaccaacgt tgaatggcag 60
ccagtcttat ctccgtcctt atcaccacct taccatgtca tcctggcgaa gatgccatca 120
caggagtcag ggttgaaagtc cagggtttaag gtgcacttag atgggttccc aggacgcctg 180
aagtagcctc aagaggccca aaagaaaaag ctctcttggc acagtctcct aatggtgaca 240
aaggagtccc tctcatctgc ttggcagcct tacaatcaga gcgttcttac atctaacctta 300
attatttccc actgaaattc aaacctaat catttatctt ttattctcta taaaaatgaa 360
aaacatcact gnggcaagta acttgctcaa tttctnaca aaaaataaan aaaagggtgt 420
tgatttc 427

```

```

<210> 76
<211> 286
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (286)
<223> n = A,T,C or G

```

```

<400> 76
gtggggtctt tcaatggaaa gatgctcagt tgagtgggga agagagcagg aatcagagtg 60
tcaccatgca ncttatgcaa aatagttgtc aagctggaag gatgcaagcc caatctttgc 120
caccacaaag gaagataata aaaccctaac gggagaaaac agagccacag atggagacag 180

```

```

tcacattcct ggtgacagt tttgagcacc tggatccagc ccaacctgag gccattttct 240
cctaggcttt ttagatctgt gaaccaataa atccccgctt taggag 286

```

```

<210> 77
<211> 279
<212> DNA
<213> Homo sapiens

```

```

<400> 77
cttcatctct ccccggttaca gaccaggaat tccaaattcc tagcccaagg tcagagaggt 60
ctcactgatg cctgtgtagc cacgtgagga tgggaagtct catttgccag taagcactac 120
aggaagtgat ggttgaacac gatgggacta ataagaagga aacgtagtta gagtgatctt 180
attcatttaa aaacaaaagc agcaacaata cagcagtcga ggaaaagaat caattctatt 240
taagcaaaagc aatttaaagt aataaaaaat gtttccagc 279

```

```

<210> 78
<211> 481
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(481)
<223> n = A,T,C or G

```

```

<400> 78
ctgctggttg gtttgaagag aagtttagtg ctctcaacag caatgaacag cattgggtca 60
atattcagtg gccgggagac aatctggggt actacgtatg ctgctttggt gtgaactgga 120
attggcatca tgtctccaac attctgaagc caaggctgag gatatacaag gtctggaatc 180
attaaggggtg tgataaagtg ctgagaaaca caggagaatg cattgttcag tgaatgaaaa 240
ttgaaaagag agatggagac agacaaagaa aaagactgaa caactgaata gccaatTTTT 300
tttaactctc aggatgtttt ctctacctg gatggacaca attttctgtg gnggtacatg 360
ataagtattg gctggggtga ccattccatt tnctgggccg cccaaggana ttttgnang 420
taacanaaaa gggccatnat attttccttc tctaacctgc cttggancaa gccctaaaat 480
g 481

```

```

<210> 79
<211> 200
<212> DNA
<213> Homo sapiens

```

```

<400> 79
agagctcaca gcatcctgtc tcctccagaa gctotcccc agctgaaatg gaagtgaaa 60
actggtagtc tcctcctcaa ccacccacct cctggggccc tgactgtgtg gatgaactcc 120
tcacaccag gatttgtgtc tccagtgaag agcagcaatt tatcctacac tgaaaatttc 180
ctgaataaaa acagttcacg 200

```

```

<210> 80
<211> 239
<212> DNA
<213> Homo sapiens

```

```

<400> 80
caggagcatg caacacctct tggactcgat gaaagctgtc gccacagggt tcaaccagtc 60
agtactctga aagagcatct tgggggaaaa aaaagcgtgt cagacattca tcttcataac 120
cagaaaagtga agtctcgcaa aggaaaaaga caagactaaa gggaataaac catcgttgtg 180
tgggcttttt cttccactca gcatctcttc ccttattaaa atgagagggg taacttaag 239

```

```

<210> 81
<211> 495
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (1)...(495)
 <223> n = A,T,C or G

<400> 81
 cccttcccgt cctcccgcct cccagcaagt cagaagcaga aggccttggtt gctgccagcc 60
 aggcaaggga cagcctccag cagagtcac ccacccacag ttgtctcctt aggacaaaca 120
 gaaagtttca caagcacact ttgttcagtt ctgcagctta ccaggaacac tagaaagcac 180
 tccagcactg tgcctggggg ccatttgaaa cagcaaaatc atcaacaaaa accacaaaaa 240
 tgcaaaaacc atggcactaa atagaccatg aaaaggacac ctgtttactg catgacctga 300
 aacaagaagg cggagcggtt ccttgttcga cttcagctgg gaagataggc gtcagggggac 360
 tcaaactttt cagcactctg ttatatctgn gaatgatcac aaaaaaactg gggagntnta 420
 tttttggggg ttacnaataa atttttacca agtaagcttg nttcacaaat acanaattnt 480
 ggggataatg aaaat 495

<210> 82
 <211> 98
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(98)
 <223> n = A,T,C or G

<400> 82
 gtaacangaa tgaagaaact acaaagaata ttgagaagga agcatcacag aagtgaagagg 60
 aaaaccagga aaagatggct catggaagca aagaaaac 98

<210> 83
 <211> 486
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(486)
 <223> n = A,T,C or G

<400> 83
 cgtccacagg atgtcggggc aggagagctg aaagccaata ctgatgagga agggccaagt 60
 gaggaagagt ctgagctgca tatgtcaaga aggagaaagg ggaaagaagc aaggagcgag 120
 accagaggga gccacgcaga aacctctggc ctctctgcac gtctgtctta tcctacagag 180
 tggcgactct aaaaggccaa gggtgccagc gccacgcagc agttcacagc ctgagacacg 240
 ctttgctcac acgcctccct cctcctctgg ctcctacctg ataaaaagca ttaccgggtt 300
 tgatgtttcc aacctcccc attttccctg gtgaaagatc cattcatttc agtgctaaca 360
 agacatcata agcagggaga aggaacaaaa ggcanantgt gtncttaagg agggaggcan 420
 tttgcaaaag cncacctntt ttcaccttgt ccacagaata aagggttgaa gactaaaaaa 480
 aaaatt 486

<210> 84
 <211> 280
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(280)
 <223> n = A,T,C or G

<400> 84
 ggtctgcacc tggagactcc cacctaagat ggggggttag atganaccac tntgggagga 60

```

cacncantcg agtgtggagg ccccgaggaa gatcanctnt naanacacag gcaggcaaag 120
ggcagacctc taaggagatg gangangaat gacanagggc nngaagaatc ntgtgaggga 180
ctgncanana agccagtgc naaaacttnc agaagagctg ncaacagtac caaacaagc 240
agaagagtct caaaagatta aaaataaaaat ttgcttccat 280

```

```

<210> 85
<211> 408
<212> DNA
<213> Homo sapiens

```

```

<400> 85
atgaggagac ccaagttccc agaagagcag ttgcacactc gaggetggag gacatgggca 60
gaaccagagc tccttgccct cctcccagcc cccacccaa gtaacacgtt cctgatcctg 120
tcctggaagc agcttcgagg aaatgccag acccctggg ggtgatgtgg tggcaagggtg 180
acaaaggggc aggtcacacac gctgtcacaa gctgatatgc aagaactcac aggcattgacc 240
cccaggggct atgggtgtaa gggcatctgc tctgcccttt ccagcgggcc tagttttggt 300
ggcctctgtt ccattttattt gcttaggaac acaaagctga atgcactgtt tgcaggaagt 360
tgtgtgtcta agtcaccta gtttagtaaaa taaataaaaa ccttttgg 408

```

```

<210> 86
<211> 477
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(477)
<223> n = A,T,C or G

```

```

<400> 86
acatgctgct cccaaacagt gcctttgaat caagaccag tcategtatt cgaagaaaaa 60
ggaaatatcc ctgacctgtg tgggacttaa cactgcttca cagagctacc caaaccaagg 120
agaataccaa cgtgaattgt ctttccacct gttgtgtggg gccagcaatt attcttttag 180
cttgacgcgt taaccacact gctccctgtg gccctgggat gctctgccat cccccgtggc 240
tgccagttca cttagggtag acttatggca gagggatgtc aattttgctt gaactgctca 300
atcactgctg acatttcgtt aaccacccta tgaacttctc aagcctgaag tagcagcaac 360
ttgtgccctt gaaaactgaa cagaaaacaa ctggattgna ttttttctt caccaggaaa 420
aaagacaatt tttntttgtg tganaangtc ataaaggcat tttaccact tattttt 477

```

```

<210> 87
<211> 500
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(500)
<223> n = A,T,C or G

```

```

<400> 87
cttctcttat tcctgactct ggctgccatc gttggctgat gaaagagttc cttttatttg 60
gtgagttcat ccatcaagat tgtcttcgaa gctttgtctt tgaagttttc acctattccc 120
aaccactccc cctggaagct tgtttcctgc actgttaaga gcatggaccc tgaaggcgga 180
ctacctggat tcaaacccta cctccacctc ttattgggag aatgaccttg tgtaaatgac 240
atcacttctg tgtctcagtt aacacgcctg taaaatggaa ataatatcta tttgtgatgg 300
ttaagtttta tgtgccaact tgactgagtc agagaatacc gagacagcag gtaaaacatt 360
atttctgagt gtctatgaag ggtgnatctg gaaaaaanta cntttggaat ccgtngaaaa 420
ggggcaagna anatctgggg cggntcatct gggnatcatc caatccactg gagggctcac 480
ccaaatagaa caaaaaggct 500

```

```

<210> 88
<211> 381
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(381)

<223> n = A,T,C or G

<400> 88

```
gacactggag aggggtaagc atgctaagaa gtgagatgga tttaaccagc aactcacggc 60
aaagtgcgta tagctgcgtt tgagaaggct tagtcatgac tagaaaagtg tgaatactgt 120
gacatatacct tgcaaaaaaa tggttcagctt aagcctctan actaacttct ggtttacaag 180
aanaaaaaag aggggccccat ttccaaaaag actcctgcct tgaactcttc aaaatgccna 240
tgncacaggg ggaaaaaaga tgggggaact ctactacntt aaagctaaag aaaaatttna 300
aaaaaaaaan gaaaaaaagg gccngcgngg ccnattnagc ttggacttan ccaggctgaa 360
cttgntnaaa agggggggga c 381
```

<210> 89

<211> 458

<212> DNA

<213> Homo sapiens

<400> 89

```
gtcacaaactt ccatagtcag atcctggaag ccacttcaa gcacagcata ttattaacaa 60
ataaccttcg gagaagagag atgctctcgg tgccagtggg ggaagaaagg actatactta 120
cacttatgtc gagactgcaa aggctaacag catcttcac ttgggtgctc tgtttccgct 180
ttcgctgcaa aacaaacgaa aaaacaaagt tcaaaggcat gcagccctct ccagtccaat 240
tcaacacact acccagcttt ggagccaagc ctcagtgtt cccccaaccc agttcctgcc 300
agatactgcc acctgtctca agtgtcaaat ccagaagaca aatggcctcc aatggctctt 360
ttaattcagc catagacagt caatctggga tagaatgatc tccttaagga acccacatgt 420
tttataaaat aaaaactgca tgaattatca aaaaaaaa 458
```

<210> 90

<211> 227

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(227)

<223> n = A,T,C or G

<400> 90

```
gactctgggg agctcctgca ttaagntana nctgatgact ccagngaccc ttcatagagaa 60
gaacatgtct gcggtagcca ctgggtccaag gagaatgagg aaatatgtag agcagctttg 120
aacctaataca gcagtctgaa gtcaagccca gtggattcca gccaaagcaca gcagaaccac 180
agccaatcta tagaactatg agagaggaaa taaatatttg tggctat 227
```

<210> 91

<211> 256

<212> DNA

<213> Homo sapiens

<400> 91

```
gcctctatatt accatcccca ggttggaagc aaatgtcaga gagaccagag gaaaccgtgt 60
gtgttttagt gggtttattt ggaggggcat gggctggaaa ggagcgggca gagatgcagg 120
gcaaactctat aaaacatttt gaacttgtag cctataaacc accaaacatc atgcaggtca 180
ctgatgtgag gatctgctgg gcttatggca tttgtgacaa acccaatgat tcttttatta 240
caacagctta taaatg 256
```

<210> 92

<211> 305

<212> DNA

<213> Homo sapiens

```

<400> 92
gattgggacc agctcatctg aaaattgatt gccggacatg gagaacaaac tggttcagtg 60
ttaacgagga ggaacggatt tgtccatctg accacaaccc aaattgcttg aaaatttggg 120
cagctgtggt aacagggaaa gaagttggga catggagttg gacagacctg gctttgagac 180
tctgcctcat cagcacctcg ctgtgtgttc cctctgaact tagctttcta tattaacaaa 240
atgaggccaa taataattcc accctgtctg cattccaggg caattaaaga atcataaatt 300
ggcct 305

```

```

<210> 93
<211> 190
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (190)
<223> n = A,T,C or G

```

```

<400> 93
gtgaagaaat gagccataag agaangactt gcccaagatc acacagcatg gcagagccccg 60
ggacatgaaa ctaagcattc tggctccaga gtccacgttt ttaactcaac cggaataactc 120
agcaatggct gagtctacgc cctgtcgtcc cctcctgggt ctcacagaat ggaaataaat 180
gtctcaactc 190

```

```

<210> 94
<211> 509
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (509)
<223> n = A,T,C or G

```

```

<400> 94
ctttgagcct tagctgtcat taccaggcaa aaggaagagc cccactcagc acccgtttcc 60
ggttttacgg cccaggcact gttgagcaga ccactatgtg gaaagccagg gaggataata 120
gcagcccccc aatgaggcca cgagccccag aaccatcctg attgctccct ctgaggtgat 180
ggacagagga aattttccct ccaaggactg acagagaaaag aacaacggag atgtggtcgt 240
ctgctggcat ccattaactt gtgcaactag caaagcaccg agtccacagg gaaaaggagg 300
agaaagtgtg aatgaagggt caattgtgtg tggaaggctg agtgtggtca caggaaaatt 360
gcctcatnct tgtattgnaa tggcatcttt tattnctca accccaaggt tntaaagtan 420
gttccctntt cttttcnta agccaagcac ccttatgcc aatcatntn tnacttanac 480
cacaacttta tcctnctgac atgtttacc 509

```

```

<210> 95
<211> 419
<212> DNA
<213> Homo sapiens

```

```

<400> 95
ttgtgataat aaaggctcag agaaatcaag ttttaagccc taagtcctgc agtgaatgag 60
cagcagagct gcagctcgtc tcagtcctgt ggatcacacc atggcctgga aggaaaagtt 120
tagggcaata taaccccta caaacaacct tccgacaaga ggacaagtgt ttccacaagg 180
cttcatggaa tgtcgaagtg gaggaacaaa acacttcagc tggaaagata gcacatagcc 240
agaagtcaac cccaacccta ccaaaaataa tgatgccagg aaacagagct acatacacia 300
aagggaatgt gtaccaggat acacataata aagtcccttg gccaaagctg ggattcctcc 360
tgccaagcc agaggagtga ttcaacttaa gagaaaattg gaaggaggac atgtggaat 419

```

```

<210> 96
<211> 95
<212> DNA
<213> Homo sapiens

```

```

<400> 96
gctggaagga tgacctcgga agtcacatgc tgaagatgga agacatgttg tagtgctgca 60
ttgacctggg gctcagacat ctcagactct tgtag                                     95

<210> 97
<211> 505
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(505)
<223> n = A,T,C or G

<400> 97
gacctaaaca aggggaatgga gagtaatcac atcattccaa gacccttcct ttgcagtcct 60
gtagtcacag ctccaaagac tctggggtttt ggagtaagag ctgtaactgc tcaagaagaa 120
ttcgtgaaca aaagcacatc tctctgagga ggcaaaatat cacaggccta tgacaccaga 180
ctgctggaag aggcaactaga ggttgacaat agattccaac atctcataaa ccaggaagca 240
gcctcaggaa ggttggcagc tgccaaaccc acaggctaag cagtggcggg actgtgattc 300
aaactcagat attttggttc atctgccagg aaatttttcc tgtcctggaa ttatctgctc 360
ttctcaagaa ggaaaaaactt aatccttctt antcctgaaa cccatcttag gaaaggcaag 420
aaggaaatgc nccaaaatgt taactgnngt tgacactgaa gggggaattn gggcctttgtc 480
tattttttct gcattgaccc atttg                                             505

<210> 98
<211> 500
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(500)
<223> n = A,T,C or G

<400> 98
gagaaaaaac atatgaacct gagcactgaa tgacttatca agaagatatt tgaaactacc 60
taaacaagga agtttgtgtt ccaaggtaag agaacctgaa atgaaaaact caggatccct 120
cacgaacagc ctgaccctgc tttcaaccag gaagttcaag ggaggcagga ctttacggtc 180
aaaactgcaa agccgaagct caagactgta agaagaaagt gatcttcaaa gaaaaggatt 240
cacccaaadc gaagaggata tcgtttcgca tcagggaacac tcgtctccac acctcctacc 300
tcaaagtcct acgcacctac ccttcacgtc tctncaaagc aactgaatta aagcgcctac 360
tggtgcttggc ggnccaagga atttaattca ggaactatng gggaaaaaag caggggagga 420
agaaanagga aagacccggg ctgaggcacc aggaagaagg gacgcacaag aacctatcat 480
tgagccttgt tcgaggccag                                                    500

<210> 99
<211> 482
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(482)
<223> n = A,T,C or G

<400> 99
cttctctgcaa ctgaaggtca ttctcttttg ttagaagact aagggtccct gacctgatct 60
gtggagcacc aggggtggaga gagtgggaata agcagcaaaa cgaaaaattg gatgctgttt 120
tcaaaagtgt tgttctcatt cttggattat agattatcta aagggaatat ttaactcaac 180
caaaaaattc gttcagctcc atgaagctaa agatgctata aactgactct ttcctaaaga 240
gcaccaaac tgaaattttt cctgctagag aggaactaat cttcaaggac acctgtctat 300
tgctagacat taagaaggaa ggtgaactcc gttctgtctt cataaaacac atttttgnct 360

```



```

tttccccctta cttcttcact gaaccccttt tgtttacaaa gtccaagctn tgactggngg 420
aggggggaaa atctgaaact gtcagcccca agngngaaca aaatgaaang gagaaaaaaa 480
at                                                                 482

```

```

<210> 100
<211> 508
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(508)
<223> n = A,T,C or G

```

```

<400> 100
cctcatgtca ctagaagcta cagtattgga cagcacaagc tgcagagtgt ctgttctttg 60
aggattctct gttctccaaa tgtaaaatca agaatgagaa cgctggcaga agtaaggaaa 120
gatgagacct gttttgaaaa cgaagtttta gaggaactat gtgaacagat tgtgttcttc 180
aggggcctgg cacatgatga catctaacac ccacggccaa cagcattcat aatcaccaat 240
acgcagcatc atactctgtc tactggcaat tcccagagat ccaagaaata tgtaaaacac 300
tggctagaaa gtgttcttgt ggcacgaggc ggtgctcatc aagtggcttt aggggtgcact 360
ggtcacctgt tacattccag gcttctggag gacctgagtc cttgccccac ttnanccac 420
accacctttt gtcacccttg agacttataa ccaggccagg cgcgatggct catgcctata 480
atctcagcac gatgggaggc cgaggcaa                                                                 508

```

```

<210> 101
<211> 376
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(376)
<223> n = A,T,C or G

```

```

<400> 101
caaatgtact ctatcgtctt ccacactggg accccagaca ctcattggagg aggaaattct 60
tgaccaaaaa tatgtgttac agaacctgag agagaagaaa aatttcagga agacgatgac 120
agtcaataag atgaaatgat gaagtaaattg taaacatgat acagactgag gccattggct 180
ctgaatatcg agacatcact ggaatgtttt gagaaattaa ctttgattgc gaagagatta 240
agaattagaa tgcagtagga aaatgaatta acatctgata agaaaagaaa ccaaagagtn 300
aagacctgta gttctgcaac acagatgctc atcagaaaaa tgtgggtaac cttttcaata 360
ataaaaccct ggaccc                                                                 376

```

```

<210> 102
<211> 304
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(304)
<223> n = A,T,C or G

```

```

<400> 102
atgtctgatg tccnagtagg agtgattatg gttactgtgt gaagacttga ctctcaagga 60
gttgaggatg catacgtggg aagtggaggg gttcccatgt gaccttctat gaagatcaga 120
agaatagaaa acctgaagaa tacatttttg ttggaagaat agaaagtctg cctagagngt 180
ctttggaatg ccagaggatg agatccgtct tgtttactaa gagttgtnac ggntcccctc 240
accttacctc ccaaactctg gtnaggaacc aggacctgcc aaggtgaagc actgatacat 300
tttg                                                                 304

```

```

<210> 103

```

<211> 501
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

<400> 103
 gaatcccatg tgcattganc ccttacctcc ctggaccaca ccancatgag atgtcttctt 60
 gtggcaatga gggtcacgag tcttgccctga ttttctatgg ttccagaatc acccaagcgg 120
 ataatagaagt gagntgcagn taanatggag cccactgggg aagagatgaa gcagtgttca 180
 cctgaagcac catctgcatt ttcctagtcc tgacagttac ctctanctga ccaggggtttc 240
 tgtgcangac ttctgggtatc aaatcaacga tcaagggtgg tnacacataa agatgaacag 300
 ttccatacgc aggttttaaaa aagaangcct atgaagaaat ggtaataactt aaaagcactc 360
 ttgaagntaa ngggatatgg cgntangaaa acctttaaga tccttttant aggnnagaaa 420
 atgggtctcct cantaaaaac aaggccgtan gntttntttg ggcttttcgcc aaatgcaacc 480
 tgcctntnccg gccggtgcc a 501

<210> 104
 <211> 431
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(431)
 <223> n = A,T,C or G

<400> 104
 caaaacngan gacccagcct tgtgtgcana ngccgctgaa cnnnngaaaag cccgaannga 60
 ancananagg ggctcangac gctgtgagac ttttccattt cttttgcctc ccagcaggcc 120
 gngaaagagt cacttttctt tgaggaagaa agaaggctct gtgtgcaggg caaggggtaca 180
 gtccttctaa ccaaaaagatg tgtgtgctgc atgggatgtg gccaccgaca ttcattttnnc 240
 ttttactggg acttaacgaa ttccatctct cagtagccat atgccagggt cccaccctgt 300
 ttctcttgcc tctggagggn ggagaggaag gacttgcttt acccaagggt ctataaggaa 360
 tcttgggaaa gacactgccc cttaaatacac tttttgggca ctggtgtcac ctttgtgtca 420
 cttgtgtccc t 431

<210> 105
 <211> 414
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(414)
 <223> n = A,T,C or G

<400> 105
 gacccagctt gtgtgcacan ncnncnngan gacaattgca tcaactggctt ctaccacttt 60
 gacaacaggc agcaccaaaa gcagggngcng gaggactaag gacaactgtg ttgaaactga 120
 gtcaacagct ctgtttgagt aaatgatcca tccttgaatc gtgtatgcag agacaagatc 180
 agcagttgga ttgttgtttt aataaactgg aagtctgcca acattatctg ggaagaggac 240
 gaggacatta atgctagcat gcaatctagc cgtgttttga tttaagacag aatttaattc 300
 tcttgccctc tttcctttcc ctccctccct tttcagncct tttttcctta atacacaagt 360
 ctcttttatg gagttaactc aagctatctt aaacagcatg aactaataaa ggca 414

<210> 106
 <211> 435
 <212> DNA
 <213> Homo sapiens

```

<220>
<221> misc_feature
<222> (1)...(435)
<223> n = A,T,C or G

<400> 106
tcatgcagac acctgatgga agangtcttc caggcagaag gaaggacaaa tacccttgat 60
atacatgtac ttggccggca tgaggaagag caatgtggaa gcctactcaa tgtgaagaca 120
aggatgaaga cctttatgat gatccatttc catttggtga atgcctcttt caaaagaaga 180
cgtaagacat ctggtgtcaa gaagaataaa tacaatacca ttaaagaatt ataaacagaa 240
ccagagccag agaagaatac catttttact tgacagatga ctgacacaaa acttggttac 300
acagacgaag tatttaagca agatactttc tcgaaaatga acaacacgcc gactgncatt 360
tcaaggaaac caactgacaa catttctgtg taggacaaaa tacaagtttt caaccaaata 420
ttagaattta ggaca                                     435

<210> 107
<211> 437
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(437)
<223> n = A,T,C or G

<400> 107
ggaattctaa aagtccaaac tccatctttg gacgccaaac cggactgagc agaagaatct 60
tctggtatgt gaactagggt cctggttctg gttatcagct ctctccacc taaataagac 120
ctgattccca ggcaccacat gctgatgtgg tcaggaatga gatggcacct acctctgcag 180
cttggcagct cctcgaatgg agacattggg tcttattcac ctctgggtct ttagcaccca 240
gcacaaaggt cagacagggg ccagacgcag ttgtgcccac ttttcgaggc tagaaaataa 300
tgatctaagg aaaagacgat tttgaggngt tcagaaaggg aatacagcag caaaagccag 360
ggagcctggg taacttcttt gagcacttgg aaggataaan aaatccatac cctggaaaat 420
ggnggtttgc ttaaatg                                     437

<210> 108
<211> 383
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

<400> 108
ctggggagct cctgcattaa gnnataactt ganggaagac aaccaccatg tcctgaggcc 60
actcaggcag cctacgaaga ggccacatag agaagaacag agggctgcag tctacagcta 120
gcaaggaacc acagcctgcc aacaaccata agagcctgcg tgggagggga ccttccagcc 180
cccattgaca gcctgagtgc aactccatga gagacgctga ggagaatcaa gtacgtaagc 240
ccttcctcaa ttcttgactc tcacaaactg tgcaagataa taaagattcn ctcttttcag 300
ctgcaaaaaa aaaaagggnc ngggggggccn tttngtngg ncttnancng ggggaanttn 360
ttnaaaggg gggggccccc ccc                                     383

<210> 109
<211> 79
<212> DNA
<213> Homo sapiens

<400> 109
gactttgctt ctgggaagat ggagtacttt tccttattct ttccacaaac gacaactaaa 60
atccctaggc attatatat                                     79

```

<210> 110
 <211> 473
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(473)
 <223> n = A,T,C or G

```
<400> 110
ttctgtnacc tcaagcggca tccctgggcc ctggtctcca agtcccgatc ctgtctgaaa 60
aatggcgctg aaggcctagc acanggcagc ctctacctca aagcaccatc ccgcttaaca 120
ttccaacggn gectnaaang aaaaaccctn tgggtggggtc caccaaaaac ccctggcctc 180
catgtgctcc ttcttggccc caaggacagc ttgacactnt ccaggaagna aaggccaang 240
ggnaaccccc tttgcaanaa nacttatttc ttaaaaaaga tctnggnttn tanantcaan 300
ggggacctgg gtttnaaagt ccccggcatt ttgcccttct tgaacttcac canttgtttc 360
aacncntttt ngggccactt ccacctttnc cccttcatnc tngggaaaacc ctccangttt 420
ttncctccat tctggggnaa gtccaagggg ggngggngng ggaccccacc ctt 473
```

<210> 111
 <211> 417
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(417)
 <223> n = A,T,C or G

```
<400> 111
ttctgtcacc tcaagcggca tccctgggcc ctggtctcca agtcccgatc ctgtctgaaa 60
aatggcctga aggcctagca cagggcagcc tctacctcaa agcaccatcc ggcttaacat 120
cccagcgggtg cctcagatga gaagccctgt ggtgggggtcc accagaaacc cctggcctcc 180
atgtctcctt cctggcccca aggacagctg acactgtcca ggaggaaagg gcaaagggga 240
agcacgtggc aagacactca tttctcagaa agtctggggtt aggagtcagg ggacctgggt 300
tcaagtcccg catctgcctc tgactcacia gtgncacctt tgggcactta ctttcccttc 360
gctggacctc agtttctca tctgggagtc aaggggggtg gaccagctga tctccgg 417
```

<210> 112
 <211> 262
 <212> DNA
 <213> Homo sapiens

```
<400> 112
agatgggggtt ccatcatgat gccagactg gtcttgaact cctgagctca agctatccac 60
ccaccttggc tgaaatggcc tgacatgatc agcactgggc gtgacccaaa gatggaatga 120
agaacatgaa tggatgactg tttccttagc aacaagaacc atatgtttcc tttgaaacaa 180
gaaacaaaaa gaaaagtcc catccatttt tctttccacc aattcaaaga ctaaatagta 240
gtggcttaaa attataatgt tt 262
```

<210> 113
 <211> 229
 <212> DNA
 <213> Homo sapiens

```
<400> 113
gctcaaccaa atgcctctgc caggagaatc tttcagagtg tcttggaaaca ttggaaatag 60
gcttaaagct taaatgatga atcagaagag ttatgctgta ttctaagtct gccactaggg 120
ccacacaggg tgccaacatc caatctcaag atcttcggga aatatgctca cctccaaaa 180
tacttacaga tgtgtctcct cttttttgta aaataaatgc tcttcttat 229
```

<210> 114

<211> 318
 <212> DNA
 <213> Homo sapiens

<400> 114
 gtgctgcaat caagagaaag agacagagcc aacttgacaa gaccacgttc tagagagaag 60
 gaaatatgag aggctcaagg gcagggtgtg gaggacaagc aggggagatg agatgaggag 120
 ctggctgcat ccaaactgca atgaacctat accatagaac acagaacaca aacattgaac 180
 ctgctgagcc tgtatgaagc tactatccca ggactgtgaa aagtagacta gttgaggaag 240
 aattcaagtc gacactgaac tagtggtaga gctctcatca tacagatcgt tggaaagtag 300
 catccccgaca gttctgag 318

<210> 115
 <211> 426
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(426)
 <223> n = A,T,C or G

<400> 115
 atgcacagan aattttctgac cttgngacgt ttgggagtga ggagatccca tacagaggca 60
 tccangnatt tccagagatc ctgtggcngg tgaggngctgc cctcncctgga nccaactcgt 120
 ctataatatc ttccctaacag cangagtcgc ctgcggggag gagaggagaa gacagactaa 180
 gctgcgcgta gagcggcatc aggagcaagt taccgttagc atgtgtaaac aaaacaactc 240
 gactcctctg tgtcagaatc aacaacatca aagctgataa tgtggctggt tgggatcaat 300
 tagcactgga ttttgcccca agattgcttc ccaaggcggg caagtgggag ccacttcatt 360
 ttccagcgac ttttacttcg ntcacgggca tatccacgcc agggctgcag aagcatttca 420
 aaaggg 426

<210> 116
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 116
 tgacacacgg agaggaaaca tcagattgct ttttatccgc atctataagc ccgggtcata 60
 actggagaaa aagccaccat caaccagaa ggccaacttc cataattata tgaatcgttt 120
 gtgaacattt atggattaaa atgtttgagt aaagctgaaa tcggatatta cagtccatga 180
 atagttcatg ccatgagaca aaaaattaaa gaaaaaattt tcattgatt 229

<210> 117
 <211> 430
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(430)
 <223> n = A,T,C or G

<400> 117
 catgaactga ggtgttccat ggggtggtcag ccgatctcca cccccaaggt tgccttccca 60
 gagcctcaga cccatgcccc agcggttatgg agatgtcttc tggaagaacc ttaatcaaag 120
 gccaccccc acttggtggtg aggagcagca cattccaccc atgctgagag ccactgggtg 180
 ctcccagctt ggtctgtatc ctccctgagca gctccacccc cctgaaatgc tttggagaag 240
 aaagaagagg aggccatggt tggaaggaat gcagcagcag ggccttgggg gagtccccgc 300
 ccgggtgagg gctgtcactt accacctgga ggacctaaaa aaggcgtcag aagcattatt 360
 aaacgaactt gaaaaaggcc cagtggggca agcttntggg gctggcatct tganccagtg 420
 ggtgcttggc 430

<210> 118
 <211> 435
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(435)
 <223> n = A,T,C or G

```
<400> 118
cnaaactnna aagggcncnt nccagggttaa aaccncann cccaaaaaaa atnggggttaa 60
aaggctgncc ttnggctcca tcaacactct gctagccaac actttggccg caagttcact 120
ctgctatcca cagctctggg gcacttctct ggctgtctgt tagtaaccac taacctaacc 180
caacctcatt ggccaggtaa aagctatcga aaataaactg aaaattgcta tctctatatg 240
nccatgaggn ttaatacagg aaaagctgat agtcaaaaagt caagntcaaa tggcatttgg 300
tctccacagt gaaaaaatgn ctttangctg gaataccaaa gaactnggga ggcaacaccc 360
ggacctgnct tcaaaagatt ttnatcttcc cttttccctt ggntggcagg gcctaaaatc 420
aattcccagg gttca                                     435
```

<210> 119
 <211> 405
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(405)
 <223> n = A,T,C or G

```
<400> 119
aaatggggaa gattgaagca aaaaatggaa caggttaagg ctatttatga agtaagaaat 60
ggttccccctg ctactcttgt gaagtttcca ggtaccaaaa gcaaacttcc tcctaacgac 120
tcagggttcc aatcttttct cccttaaaaa tacaagatcc agaagaggag ccctgtcaga 180
tttccattca acaaaaacogn tgggcttacc aaccttacac tggaaacaac aagctcaaaa 240
gtggactctg aaacttgctt tttaaaaaaa gcgtttcaag cgataagtgt aacgtgctac 300
agcaagttta gacatctgca ggtctgatgc agtcatcttc tgggggggttt acccaacaga 360
cacacacagg gccaggcacc ttttcttctt tagcagcaga agaaa                                     405
```

<210> 120
 <211> 424
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(424)
 <223> n = A,T,C or G

```
<400> 120
gcgctgaccc acgaatgcaa ctctcagccg agctgtccct gccggatttc aaacagctga 60
agaagggctg ggagaacatc aaggcttggg ctaaaacaat tatggcccat gaaaggagag 120
agaaggtgaa agggagcgtc anccccctcc tgagtaacca agtcctaggg aaggagatca 180
ccancatgct gctggagcag ctctacttcc tgcagagcac tccttccacc cctccccccg 240
gaggaggagc ccaaatacca cgccacggcc caagaatcat ttgctgtttc aaatagagaa 300
ctgggcgatg atgaaaaaag aagttcatat cgtttttcca acaccgtgaa aaggacctnt 360
taaaccctga accctcgtgt tcaagcttgt naagaataac agccaataaa aactacattg 420
agcc                                     424
```

<210> 121
 <211> 422
 <212> DNA
 <213> Homo sapiens

```

<220>
<221> misc_feature
<222> (1)...(422)
<223> n = A,T,C or G

```

```

<400> 121
nnnaactgaa ataangaagg atnggtcaga nanacagcca acggtgtggc caacaatcac 60
cactccagag ccctgcccc tctagggcgc acgtgcatgc ctctgaattt cctccccttt 120
ccttggtcca accacagtcc aggaaagcag attttctatg ccccgaggca atcacagtgg 180
aaaatggaag tacaatggag tgctgtacct acccaagcac caggaggcag gagtcgagct 240
actcacagac tccctagagg agaactccac gcacccaaac tctgctgtgc cccctctgag 300
ttctgagcat gccagggtgag gcctctccct ctctntntnc cttcattcca agtttttngg 360
aaaanaaagc aagcagcccg cgtgaccaga cagagccttc cttgctaata aaccatcct 420
ga

```

```

<210> 122
<211> 409
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(409)
<223> n = A,T,C or G

```

```

<400> 122
gcttantagg tattccattg ngentacaga cctcatttnt tactccattc atnngntgat 60
ggctgnanct tggtctttga gaataangca ccaangaaca tgggagngca gcaaagctca 120
tgacattaca ggaggagcag agttctatca tgtagaaggt cattcaccgc agcatgcttc 180
cttatcatca tctcatcttg tgccggtata caagtaagat cagccagctg ctgaaatctc 240
taaggaatat ctctccatgg agacagagcc agacggccca agtctcttct ctgttcttga 300
gttcctgttt tcaagtaatg atttggataa actgggagaa ccagtttcct ttccctccaac 360
tctggcaagc tgaattaat tctccaaaga ctctctttg gaggcaagc 409

```

```

<210> 123
<211> 419
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(419)
<223> n = A,T,C or G

```

```

<400> 123
gcgctgggga gctcctgctt taagtnanan cngaaatcac ccangtcann aagganaang 60
aaaatanaag ggcaanctcg ctgtaaagaa nggattactc aaangtngaa ccaaagccgg 120
gggaaagaac atggaaagca gtggagagc accaggcagg tcgctttctc tttctggtcc 180
tcaaccacag cactgccgtc ttcagaacag taactattac ttgtccatac caggcatctt 240
caatactcct caactcatat caagaattct gccagtccta aacagacctc catcctacaa 300
aactgaaac cctaaccctt aaccttatat atatccacct ctcacttata ctttctgaga 360
cantatgaaa aacaaagngg cagtttcctt tactggaata agtattaaat ttgcttgg 419

```

```

<210> 124
<211> 410
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(410)
<223> n = A,T,C or G

```

```

<400> 124
gagccgcaaa gacagcctgg aaagtgcacg ctccacggcc atcattcccc atgagctgat 60
tcgcacgcgg cagcttgaga gcgtacatct gaaattcaac caggagtcgg gagccctcat 120
tcctctctgc ctaaggggca ggctcctgca tggacggcac ttacatata aaagtatcac 180
aggtgacatg gccattaccg tttgtctcca cgggagtgga aggcgccttt gccactgagg 240
agcatcctta cgcggctcat ggaccctggg taaaaattct gttgaccgaa gagtttgtag 300
agaaaatggt ggaggattta gaaagatttg acttcttcca gangaattca aacttcccaa 360
agagtacagc tggcctgaaa agaagctgaa ggtctccatc ctgcctgacg 410

```

```

<210> 125
<211> 358
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(358)
<223> n = A,T,C or G

```

```

<400> 125
cnnanactga gagataggan ctgcctacgg ttgcctgggc tcaaactcct gggcccaagc 60
catcttccag catttgccct ccaaagttct gggattacag ggcctgcaca ccaatgaaac 120
tactgatatc agctgttctg aagaaaccca gaagagactg aatcaccaaa gagtgcagtt 180
tcacatcct gatgatttta tcctccttac tctgaccaa cagtgcacct aattttacag 240
ccccacac cctataatca tcctaaaaac ttcagcccag aactcctcag gaggataatt 300
tgagggtttc tcccatctcc ttatttggct gccctgtaat cattaaacac tttctctg 358

```

```

<210> 126
<211> 488
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(488)
<223> n = A,T,C or G

```

```

<400> 126
gtctggggag ctctgcann annctgnac tgagagttgg ctnangagaa gatcaagagt 60
gccatctgga agctcagggc natgagaaca acctggggcc tgggtctctca agccaccatc 120
aaccacaata tcaacanaaa cccagagggg aaacgacctc ctttcagcan gactgggaaa 180
cccttgaagg caggaactga gccttcattc cagcactaac tcaacaaaca tttcctgagc 240
tgtccctgaa gccaggccct ggctgagaat gctgaaaaga ttcagagcag atacacgtgg 300
gctctatcac acaaatttca tccatgtgtn ctaccaagt gataccactt gctctttctc 360
tgggctnccc cagtcctga cacagaactt tttggtcacc aacctaatca ttcanggatt 420
ataactgttt acatgtcagt ctctctctt cgtccctga cagcagggat atggntggcc 488
cttaatgc

```

```

<210> 127
<211> 437
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(437)
<223> n = A,T,C or G

```

```

<400> 127
gtgaggncac acgtgnaaca acacgntgtn tgtgaaccat gaaagggagc ttcgacngac 60
accnnacctg ccacagcctt gatcttaacc ttgcnagaag ncacaactga gagannatnn 120
nnnntgtggt ttataacca nccagtnat gatattntgc tncannaacc tgaatggact 180
aagacnctcc ccaccatgan aatgtccaaa cataatgnga cagatgtctt tacatcantn 240

```



```

gtggatgctg ngacanaggc ntttacaaac acagagcaac ccagggagct gatcagcatg 300
aatgaggctg gaaggaggct cananaatcc atctttccag tgaacttgga acaccagaaa 360
caagtggagc anaggggaga gaatntcttt gaaaacgcag ttgggagaca gagccangta 420
acgggaaaga aacaagg                                     437

```

```

<210> 128
<211> 438
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(438)
<223> n = A,T,C or G

```

```

<400> 128
attaaaaaga aaaaagaaaa tcaggtggga taaagagcct caggtctaac tgaattgtca 60
actaatgatg gtctgagagt acctgtgctg aaatggaatt gtctttgagt ggacacttct 120
tagatgagac ctattgtggc caatagctcc tgaggaaactg aagccttcag ttcaaaactt 180
gtgtgagaaa aatgaatctt gccaaactact ggagtgaactg tagaaatgaa tccatcccca 240
gttgaccctt gaatgtagcc ttgtcagaga cccagagaca aagcatcctg ctaatctgca 300
ctgggttcta ggcccacaga aaccatggga taataacttt gtgntgnttt taacccttg 360
aaaccaacca aataaaatcc ttaagatggt ccctgngga agggttccat tggcagggat 420
ctgcacttca caacaaaa                                     438

```

```

<210> 129
<211> 442
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(442)
<223> n = A,T,C or G

```

```

<400> 129
ggcaaattaa cccagaagag tacttcagag aacacagaca aactgccgtg cagtgaagag 60
aatgtggcag gaagcccttg tattctagaa gaagctctgc ccactccaga caggatccgc 120
acgcctagtg ccatgtctat ctccaaggag atcacattct agagccaagg accgccactg 180
agaagaaaagt aaccgtgagc cgtcagaatg catacctgga gcgctccagg aaggaaatct 240
cagccccggc atcctccatg gtcacacgga gagggcggtt gtcctttag ctttgccct 300
gagatgggag ctagagctgg acacaggggt ctagtcctgg cttttgtgga aacaagttcc 360
caaacctggn gcaagngcct tacctgtctg ngtaatgggg ggagctgatg tggatcatct 420
ttaagccctc tgcaagatgg ag                                     442

```

```

<210> 130
<211> 440
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

```

```

<400> 130
gaggtggagt cttgccatgc cttccatta caaaatcctc ctgttccacc tgcaaaggca 60
agcaccacag gtcagcagca gtcagtaact acaatgcgac tcactccaag aaccacacc 120
tgccctgtgc agaaccacag ggccgtttca ctgtggggca cagaacagaa gcctggggca 180
atggttttca aacttctcct tgagtgatta gatctgcaga aaaaaggaaa catgttgatc 240
ggcaaaacac ataactctga caaaggatta gcactagaa tataaaagaa cggatgatga 300
tcaatgagac aaagacagcc tactagaaaa atctggaaat aaccaagcc gggaatttcn 360
ntgaagagaa cacataancn gttntaatat atgaaaagat attcaatctt atgtcagtca 420

```

agaaaatgca aattaaaacc

440

<210> 131
<211> 434
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(434)
<223> n = A,T,C or G

<400> 131
gaagaaaatg ttaaaaagta ataaccaaag aaaaagtcag ccaactccca cagcctgggc 60
ttgctgtgct gaatggcaga gaagatcaca gaggaagaaa aaagaaaaag acagaaaaaa 120
ggaggcggag aatttcttgc ttaaactgga cctagtccag ctggcaagaa gaggtgggtt 180
tcttaacgcc tgcaaaaccc gattactttt tttaaaggaa tgaagaagaa ggagatgtaa 240
acacagccat taaaacagat ttaaggtact tagttttaat ctagtctaag accttttcaa 300
ttgtatgctg ctctgcaatt ctctgcttgc tagacattaa tacngngcat aagcccntgg 360
tcagngtctt ttaaccagng aacgctttca gctgagctct gnggttacct tctcaggtca 420
ggcatggaag gcct 434

<210> 132
<211> 437
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(437)
<223> n = A,T,C or G

<400> 132
gtaaacccag ttcactcagg cagaagcaag aggaagaaca ttctccagc tctctctcat 60
gcaggcccgga gaggtgggag ggcattctgc cagcccagta tatccacttt gcttcgacaa 120
atgtcagcct gccagaata aggaagtacc cacagccggg aaaggtaaata ccaaaccctg 180
aaaagacaga tactgagcat ttgaaataac acagcttgca gcgtccttgc ggagccctgt 240
ttatggggca ataaaccatt taaacgactg tgtgttggaa cccacaaggt cgccttgaaa 300
ggctttttcac agacactgct agtagggctc caggacctct ngaaggccna gatngggggg 360
nctttttgct tntgcttgaa gcttgntggg tccccctcat cangaacgcc agcccctgga 420
gaggctgccca tgagaaa 437

<210> 133
<211> 341
<212> DNA
<213> Homo sapiens

<400> 133
gaagaaacac aagattttaag gttgtttgtc aactgacagc cctttctatc aacaactaaa 60
taaaaaaatc tgtattccag aaacatgaca cttcatgtac caccattttt cctcataaga 120
aaccaaaagg tgtccatgac ttaggtacta aatggcaagg ctggaaccag aatccaagtt 180
gccagtcac acagttttgg tttttaaaata accaaattgg tcaaaaatct tctctaaaga 240
caaaaacaga tgaaggtaaa atgccaattg gttaaattta aacagagact tcactttgtt 300
cttttcaggt tcaataataa acaattctag tgattagcat g 341

<210> 134
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(442)

<223> n = A,T,C or G

```
<400> 134
gagtaaacga tcccaattgc agtatatctg nggntcatct ggctttctct cacaccacct 60
ctgttgacat gggaggcctg ccggccacac atccaggaag tatgaaatca gcgggggtcc 120
tccccttctt gctccaggga agcctgagag ggactctgca gattgcattt ggaatccatc 180
tgccagggag gggtaagaag aagcagagtg tcaccgggta agagtcgaca gttttgaaga 240
ctcgtagctg cgaatctttc aggaaataat ccagaacagt ctctctgctg gacaggaaaag 300
gaaacctatc ctagagagggc gaatcctctg tcctggacct ctgccccana aaatgggtca 360
ggggagggga ttntttgggg gngtttcnac ctgctgcttg cagggcttcg gttgccaaga 420
gtttcccca taactaaacc cc                                     442
```

<210> 135

<211> 434

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(434)

<223> n = A,T,C or G

```
<400> 135
tctccatgct ctggatagag gaggttcaca agccagggcc tgaagattaa cagagctttg 60
aagccaaaag gtgacccttg gaccatggac ttgcacctc ctttcttaag ggctttaaaa 120
tagaaaagaa caggagctag aagatgaggc agaagtcgag gacttctgtt tttctggaag 180
gtcctctga gccacaagg ccagggctgt tctggatttc agagcacaaa gaggctcctg 240
gagccagcca tgggtctctg aggtctttac caacttgaaa gcagcctttc tccagggcag 300
aaacgaagca tctccccagc gctcgccatc ctcagctgnt ctttacaaca agaactttac 360
aaggatgccc ggatgaaggc ccaananacc cgcgttctgg gcaagccact tttaccacac 420
cgactggatc cccc                                     434
```

<210> 136

<211> 433

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(433)

<223> n = A,T,C or G

```
<400> 136
gtacctaaagg cagtaaacc ccaactccct ggaagggccc actgggcgct cacttcgctc 60
cagagcctcg cctgggttcc gcttcgggat ccggtcaccc aaccagctc tccagttgct 120
gctgtttctc gtgagactgt cagagtgaag ggggtccaaag ctccgacttc cagcctcaga 180
aatcccaact caggcaggat cagcgaagcg tccctcgagc tggctggagg gagagccagg 240
cggggcccag gctgccactt atcagggctg taaatgccac cctgaggccc acgcttgcca 300
acactgctcc ccacaagact aagtcctgca gcctcagccc aaaaagaacc ggcctaacc 360
ccaaaacgga nggtcatgtt caagccacac cccagtgaac cctggcgacc caccacacag 420
tgccctgccc tcc                                     433
```

<210> 137

<211> 443

<212> DNA

<213> Homo sapiens

```
<400> 137
gactagaact attgccactg aggggcaggt ggggaagttca gccaaactcg aaccggagg 60
ccccacctta cctccctttg tgaagagccc agagcctttg tccaaagctg catcacttcc 120
caccagccc ttcttgagcc aactccccga tgtctccaga agaacacagt cggcatcatc 180
gtgataacat cagggaaact cctatttcca gcagtttctc cttcagctgc aaaaatgtgc 240
agcagtagac agggcgtagg tttttgaagt ctctgcagga ggtagagtta ttttctcagc 300
```

```

accacatctg agcgcatctt ctaaggggtg cgcactgtgt ggggaactgca agagcttaac 360
ccgggatgca agccctccca ttccccaccc tgtccactac caccacgcct ggatccgaca 420
ggcagggcag gaccccatgc ccc                                     443

```

```

<210> 138
<211> 405
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(405)
<223> n = A,T,C or G

```

```

<400> 138
gctctgggga gctcctgcat tannnctan ctgagtatca tccntctgcc atcaagaatg 60
taagtatgaa gaatgttccg acactgctcc aggactgtct ttcaagccac tgacaaccat 120
cctgcaaatt ttgatactgg tgccctgttg gtgtccctag aggatctaaa tgaagatgtg 180
aaaacaacaa ctaagaaaat attttaaatg gcaattactc aacacgagaa gttaaaacaa 240
tgtccacact gagactgaaa tgacagcaac agaaacagca agtcagagcc atgcctgtac 300
aatgacaact agatcaaaaac tgccacctgg ccaaaagcaa tactcagatg ctattaactg 360
taagacagtt aatgggtatgt tatgaggtga aaaaaaaaat tcctt                                     405

```

```

<210> 139
<211> 448
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(448)
<223> n = A,T,C or G

```

```

<400> 139
ccnttttgat ccccacctac aactgggcat cgctaacaac ccatgtgagg tacctaggaa 60
gaatgagaag cttccagcaa ggcagctgct tccagcagca agctcctgca tagcccacag 120
gccattccag ctcaatgctg gagaagaatc ttccccctaa cagcactgcc cagcactacc 180
caactaaggc ttctctgggt aaactgcccc aggatgcccc aagaacttgt ttctaaagga 240
aggaaaacag atgccaagac ttctttgtgt ttctccaggg ggctcagagc agggccctgat 300
cactaccctg gatgcacaaa gtatctatca aattcccaca aggtanaaag gggtgcccag 360
aatgggaaga aacttcaata ttcgaaagtc ccaatcacag aagataactg gcaaaacagt 420
tctactaagc aagcacagag ccatttgc                                     448

```

```

<210> 140
<211> 458
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(458)
<223> n = A,T,C or G

```

```

<400> 140
aactgaggtg gtggtggtca agagcaaggt cgaggctcac ctgtgcccac ttggttccgt 60
acattgctca cttagggcat catcgacaga gtatgaatca gctccccaat tagcctgacc 120
gtaatcacct gtgttgcttg attattatac aaattccccg acctcatacc gacctactga 180
atcgaaatct ctaggagtag attctgggaa tctgtatcgc tggtaaagct cccaggtgat 240
tcctataatc tggcaatgtg ggagacacga gcattaaggg aaccacagaa caggctccat 300
cctctgccta acatcagcaa cctcagcaga gacttggtcc cagggaccct tgttccntta 360
tgtaccccaa gacactgtcc ctaaatggng cacaaaagca agactcaggc ctgtctcaca 420
cactggcaaa gctgctgccc ccagctcaa accagctc                                     458

```

<210> 141
 <211> 451
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(451)
 <223> n = A,T,C or G

```
<400> 141
aagcttgtga gacctcaatg agtcatgaag aatcctaatt tcaaatacaa agaataccaa 60
gtgatgataa caaaaagcaa taattgatat ctgaacaaag attcttgggc agccgagccc 120
ctcttgaatt cctcagccta ccatcatgat caacacctcc catgttccgt ccatgaatga 180
ccgcactgac agcactggag agatttaatg ggtcaccaat tgaggcagtg aaggcactca 240
tggcactcag agctggaatg gggctgatct gagttgtact gttgactgca gtggtgatga 300
caacctgcat tcctttgctg gctgcacga caactgcttt gttaatgggc attntaccgg 360
aagcatcacc tggggccacc cacaacgagg ccatncttca cctgttgacc aagagatggg 420
tcaatcctcg gttgcaactc acaaggtgtt c                                     451
```

<210> 142
 <211> 450
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(450)
 <223> n = A,T,C or G

```
<400> 142
atcccttctg gagctgggtcc taattgcttt tcacaggagg gatgcaaact ggaaagtctc 60
tacctattca gcgaaggcac tccaagtcct gggctctttt ctctcgggg gcaaagatga 120
gacttctctt ctgtagagat cacaggtgca tctgtacagg ttggagtgtc cccccaaccc 180
tggaccctta ggagcggccg tgatttgtga cacaaggccc caccggttga tctactcttc 240
acacagccgt ggagagccaa gaactgggag ggaggaggaa atttgagac agagacacac 300
agggagaacg ccatgtggag gtgaagataa agaacacaac ggtgcttntt acaaccaag 360
gaatgccaa gacctccagc aaaccaccaa gaagctcagg gggaggcaca gaacgaattc 420
tttctcacag acctcagaag gaaccaacca                                     450
```

<210> 143
 <211> 452
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(452)
 <223> n = A,T,C or G

```
<400> 143
tcagagttta caccttactg tacggctgac cacctgaatc ccaatctcac gaaacaccca 60
caacccttgg gcattccctg ggcactaccc agcaaagccc tatctttgca tcggtctcag 120
aaggagtctc ccagatgctg caccagctgc ccagcgtgc tggaggaaat ctccaccgct 180
gcagaaaggc catccctcca ctccctggac agccctctcc acgtcaccca cctgggtcct 240
ctctacttcc ctttggtgcc tggcttttcc cagcagctgc ctaccccaa ctccctgcta 300
ttcaagccct gnaggcacct tgactcctaa atgaatgaac ttaactgctt gccctgcccc 360
cttattgatc tgccagggtt tccacccttn catctnttca gggcctgcct ttgcagcaca 420
agccaggctg ccatcacctc atgttccaat ta                                     452
```

<210> 144
 <211> 258
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(258)

<223> n = A,T,C or G

<400> 144

```
ctgtcctgag agcacgtctc tacatctcta cctgcattct ggaatcaagg ggaaaaggcc 60
aaaacggaca agaacactag aatcagcccg tgtcccaacc ctttgactac aagggaacttt 120
tccccgctat ctgtggtggt gggatatcatg aaaattatgc acaaaccctt ttttttttta 180
anctcatcan ctntngttag cattagggna ttnatnttg ggcccaggag cattnttttt 240
ccaanggggc cctgaaaa                                     258
```

<210> 145

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(445)

<223> n = A,T,C or G

<400> 145

```
gcactcattc tctttcctgt caccctgtga agaggtgcct tccgccatga ctgtgctgaa 60
cgtgtcctcc aagggtttca aggttatcgt atgccctgaa attgggcaag gagctttaag 120
agggaaacttt gagtttgcca gagaaaactc aagatgtttc tacatgaaga aaatgggttc 180
agacatttga cttctttaat ttttgcatac tctttgtgat ggttgtagc aaagacctaa 240
agtggttgta tggctatttg caaaggctga gtgtgacttg atattggctc aacttgaaaa 300
ctttgatatt tgatgnttgn attcaaaatt ggaaacaaag gnggttaaaa agggngggata 360
tatgaattat ggggggggcat ataanacttt gcagaactta cctgcncctt atatatatttc 420
tgccaaaata gntgttggtt tgatg                                     445
```

<210> 146

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(437)

<223> n = A,T,C or G

<400> 146

```
gtttgcctgt ttcctctggt tccagtccaa gcatttgtgc tatecttcga gtctttacaa 60
attgccctga aataatatgt gctgtgcctg cctctgtaca gttagctca cctttgagac 120
atttcgttgt gtttggtcca acagcgggtca attgtgttgt atttacccca gaaatcactg 180
ctaaccaccag cataccagcc gccctttctc gtgagcttgt gagtggttta cggagcagaa 240
aaagagttaa tcgatggata tgaattaaac acaggaaacc agcactagag gaacctcaga 300
ctccaggcct aaaaccactt gtgactggag tgacgttaat cacaaganaa gggagcctcc 360
atggtaacag gatgctgaaa cctgacacat acaaggnaact atgcactttt caaagcactt 420
acatttgatc actcttg                                     437
```

<210> 147

<211> 453

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(453)

<223> n = A,T,C or G

```

<400> 147
gcttcagttt aaaaggactg cctgtcctag ctgggattgg agaattgaga gaaaggcatg 60
tgatcctccc gggacccaga gagatcagca gaccagaagg cctacatgta cactggaaag 120
ccccaacccc aggaatccct gtacgacttg aggcattatc tcaactgtgca tggctgaagc 180
ggtagatgcc atcattaccc tcatttcaca cctgcagaaa ctgagggtata gaaacattaa 240
ctgggtctagt cacgagggat tctgtgatgc ctgagacata tgacctgccc tccaagacca 300
taagtgcacag accaagaatt tgatcccatg tcctggnggn cccacaagnc tggggccttt 360
accattanag caggggtttc ctctgggggt tctctgtcc ccaggggaca tttggcaaca 420
tctggaaca ttttctgtg tcacaaatga gct 453

<210> 148
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(451)
<223> n = A,T,C or G

<400> 148
ctgaagagca ttgaccaagt tattatcttc aactctctca aaggggtgaa gagagaaaag 60
caacactgag tcaactggct ggnttttcat ccctttctct tcttcagttg tgggctggag 120
agagatgtaa ttccaggaca ttggccagcc ttttgttatg tggatacgct ttacacaact 180
acagtttatc catcagaatg aaatacagac aaaagctgag gaaatcagtc ttcttaatag 240
atagaaagtg atcctttctg cctccaaata aaactgaatt ataacattct tcgtatttct 300
ctgggtacac atctggttta aaaattagaa gttaaatttt aaaagtaggc agaaggtttg 360
gttttttagaa gaaaagacat tttaactgta atagnngatc attattttta tgcttataaa 420
gtccaatcaa agataaatgt caaaccataa c 451

<210> 149
<211> 351
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(351)
<223> n = A,T,C or G

<400> 149
cnaactgaga aaagcaaaag atatttgcca atgaacaata acctggatgc tcaaaggatg 60
ataaccctga ggttgagggg taccaagtac cttgtccaca attcagcaac aatgggacag 120
gtgtgataca aacctctttt tccatcttgt tctctttctg cttgaccatt gcaccattga 180
gagaagtgaa acttgggctg agtctacaag gggcacccaa aataaccatg gtgtgtttat 240
gttcatttaa aatcataaaa tttgtgtagg aaataaaaaa aaaaggccng cgaggccnat 300
tcagcttgga cttaaccagg ctgaacttgn tnaaaagggg gggcctccca a 351

<210> 150
<211> 244
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(244)
<223> n = A,T,C or G

<400> 150
ctctggggag ctctgcatt nctacctncc ttnagatana nctgnnggct ggaatgtana 60
agtggacttt tggccacgtg gatgaggaat tgaagcagtc agttctgatc tagagatgga 120
aggcgctgc tgaggacagc agggctgctt ggcacctggt gtccctgaat ggctctgtgg 180
agcactgect gatggcctac cctggactgt tgcctgagac agaaataaac ttttatcttg 240

```

ttcc

244

<210> 151
<211> 573
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(573)
<223> n = A,T,C or G

<400> 151
gttttcaagc aaantggcng taattggaag aaggnaaaac gcccaggggtg ccttaattta 60
gggnccgtgg ctccnaaagg tnattcggtc cccgggtttc ntcaacttgt ngaatggatg 120
gaaaagcaat gngtttacca tttgggcgga aattttgaaa aatcattgga tggaccacaa 180
gaagcttgga ggaaaaaatt tggttggtgg aaacctcaca agggcaaggg ctaaaaacaa 240
aggttgtggg ggggggtggga tcaagcccca agaattttga ccgtngccaa acctcaaaaa 300
gaccttgga aaaaaaatgg gccaagaaat aaaatcttgc tttccatccc cgcccaagg 360
tttgggtttt caatttggtta cttggacca ctttcaagct tgggcanttc attngggacc 420
canttgnaaa gaaaagccan ggaaccgaaa aaaaccccn ccnngggang ggggaaaaaa 480
atcctngggg gaatttcttt tttttnttaa gggggatggg taaantacca ttattatttt 540
taccnaaat aaaaaaatgg cctcatggc aca 573

<210> 152
<211> 845
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(845)
<223> n = A,T,C or G

<400> 152
gctacgatgc tggmntaaat ctttggcntg gcttggctca cttcttttgg ggtccacca 60
cttggccttt tattgaagct tggtaancac ttcnaccant ggaanggggt cttggcaagc 120
tttcacttcc ttggaaaagcc caggcggaag aaccacaaa aaccacacc gggganggaa 180
atgaaacaag ctggcaagga acgcccggg ccttttaaag atgcctggta aaccacttca 240
cccaaggaaa ggtcccga agcttttact tctttaaag cccaagccga agaaccaagg 300
gaaaccccc acccaagaaa gggaaaaaaa aactcccga acaacatctt gaaaccatca 360
agaaaggaaa caaaacctcc cgggaacacc gccttgccct tttgaagaaa cttgtgaaca 420
cttcaccccg tgaaggggtc ccgcccgtt tcatcttctt gaaagtcaag tggaagaacc 480
aaaaganacc cacccaaatt cccgggacat tggttcttcc actttccttt taataagctt 540
aattttaaata ggtgaacttt ttctcggagg ggttgggctt tttggaccat tnccttttggg 600
gaaaacaagc acttccttaa tcaaattggg cacccttnc ccttgctttg gggtttttgn 660
ttattttaanc cactttattt gggccatctt cttggggcca naagaatttt attagccnc 720
caatttataa tantccatt ttggcttacc caagccttcc ctttcattat taacccctt 780
tgccccaatt aangcaaggg nccccttata aaacaaaaat nnggggcttg nggaggccaa 840
aaaaa 845

<210> 153
<211> 582
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(582)
<223> n = A,T,C or G

<400> 153
gtgcctgtct gaaaaccagt tcctctatga ctgtgatctc caagtgatca aagtcttgtc 60


```

ctggaagcca gactagtgat atgcaccttg taccttgcgc ctcaaggcac caacaaatag 120
gaatccagag caactttctt agctggagtg gcttctatgt ttctgactgg actttcacgg 180
atacaaacag tggggctctt tgcaaaacac tcttctaagc ttccagaagc aggtcataaa 240
gccgaaaagg acattttctgc ctttctctga agcagggtcat aagtccctca ttagagaagt 300
atcctcccta tacctgaaga aaaggaacat ccttatctat gaagacacag gaactcagag 360
aagaatctga acaaacaggc cttgcaaaat gccctccagc ttcctgccat tagatcatac 420
ctcctttttc cggccatact tctccataac tatccacttc ttcctcagat ctagcataaa 480
aaccatctg gtttactggn tggcttgggt cttcatttnc ttatgaangc tccgcatacg 540
taaaaacnta cggttaaaaaa aatggggatg cttttctttg gt 582

```

```

<210> 154
<211> 627
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(627)
<223> n = A,T,C or G

```

```

<400> 154
atgcatcagc agaacctacc acacggcacc tactgcgggc ttcagttttg ctgtagaacc 60
gagaaacatc acgttagatg ctttagcaac aacaatgtat atgttgcata gaagaaaagt 120
gtcccagaag aacagccagc tgtcctttac atgaaattgt ggcactgcct gtaagaagta 180
tatccaatga gaacttgtcc tcaccatgta atacttttaa tgggtgagcc atttcaacac 240
tttatactact gccgagtaag tttctacaga actttctcat tgtactcagc gctgtctgtg 300
cagttaattt aggcatacaga aaactcagtt gttaattttc tgacttgcct ctggactctt 360
aatgctatt gctccaatca taacacgtcg gaacacttac gcagatttca acaataatat 420
ccacagctgg gaataaatca aagcaggttt atcactggat aagtgtctatt ggaatatggg 480
taccaagaca acatgaagca aaggacagat ttcactttag aagattaaga cagagccctg 540
ggggggaaaa aaaagaggta atcccaacaa agtctatgca accnttaaaa aatattattc 600
agagcagaaa tgcagaattg gcctttg 627

```

```

<210> 155
<211> 598
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(598)
<223> n = A,T,C or G

```

```

<400> 155
caaaactgaa aaactggntg accttncgct tngnntncaa caaaccaaga ctagctttga 60
ctatgacaat nggtatctaa ngaatgccag acaggatgga tgaagaccag gacacaactc 120
actccaccaa actgtgatgt tacgtcattt accttgggtc ccacccactt tgcctttgaa 180
tgaagacgtg tccccagcnn ttgganaacg agaaggaaac acgccaaatt aaggtcnnat 240
ttacatcaac agagaatata gaggtcaag agaggaattc acttaactta taggaaaacg 300
aagtcatatt ttggcacatc gagttttag tctttgagaa atgaaaatcc tcancaaaaa 360
gcttttgtct gaccagctgt gaggttaagaa tgtgcaagaa gtcaaagcaa gcgaggaggc 420
ggagccggta ctgtcctgga aagcaaaacc cagaaagggt gcgaatctgc tccaaagctg 480
cctcttttct gctcctaagg aagatgcntt ctcangatac agggattttg tgtatgaaaa 540
aaaaatggcc atagctgctt acagaanaga atgggtggna atgccaatth ttgactat 598

```

```

<210> 156
<211> 284
<212> DNA
<213> Homo sapiens

```

```

<400> 156
aacctcaggc caagtgttct tgacagctca tccacagact ccactggta aagcagcatg 60
aggatggctt ctgttatttt atttcagaat tttttcctgc agtggcatgc cagtaccagc 120

```

```

tgaggatcat gtatgcaata tttgccttct ttcattcttct acctaggatg gctttaattc 180
tcttcgagga gaattttatt tagtttttcc cagtaagaga atccacttct cttgcccata 240
ttcataaatt atcattaaaa attaaacttg gtacaataaa tatt 284

```

```

<210> 157
<211> 759
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(759)
<223> n = A,T,C or G

```

```

<400> 157
ggctaccctc gtgntganat gaatnaactg gcnccctggng gccgaaaagc gagnggccnc 60
tttggttttg gagggncctg taccctcgcg gaaacccttt ttgcccga ccaagcccaa 120
gcggaatggt ttggtcttcg gcctggccaa ncnaagcccc cccaagangg ggccaaagct 180
tcttggtgga aactaagtc cacttggttg cgggaaggcc cgggggtcaa ncccaaaagt 240
nccccggnc nggccaagca atcggtcac gggggcccta taagcnggga aaagaaagaa 300
aaagccacaa gncaaagtat cttggcttga aaaaaatggg ggggnntant aaacgggaag 360
tcttcgcccg tgtcaccaag gcttggaag tgtgccaagt ggatgaagaa tctcagctca 420
cttgcaaac ttcacctcct tggggttcaa aagtggattt ctttcttggc ttcaaccttt 480
tcccaagtaa gcttgggaat tacaagggcc ccggnccacc atgcccaagt attttttggg 540
gggccaagaa gggangggaa aanggaaagg nggggtacc ttggaaaacg aacaagcttc 600
ttttccctt ggggaacttg gnaagcaatt nccgaagcac caacaagtc aacccccggc 660
aagcctttt ggtttccttg gcacaagtct tggncntntt naaagaaacc aacnaacttc 720
cattattttt attggacgaa tnaaaaaaat ttgggtagg 759

```

```

<210> 158
<211> 501
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G

```

```

<400> 158
tcagaactng aggcnaacct tgccaaggnc nctancccc ttggggggccn tnactttngc 60
cntaagggcc ntntngncnn caancccttg acnaaactta anggagtcct ntcgaaaccg 120
gggccaccac ctttcttcac cttttgcaag gcaaggaagg cccggaagg ntaagccctc 180
aagcgtcaac gaagttcaaa aganccttggg ttaccagca agtttgcccc atctgctcaa 240
gggatgtggg ctttcttctt gatgaagtaa gttgaaagt cttgggatgt gaaatcaagg 300
aactcggagc tcaaagttca atgaagtacc ttggaaaatt ggattgggga agctggccca 360
aggaaaatca ggaaagaaaa naagtcctga agattcaagg aagaaagtaa aagccccgct 420
ggcttganaa tgggggtggg ccanggccaa accttgatca agggcccgag caaaaccgcg 480
actctttcca aataaaagct t 501

```

```

<210> 159
<211> 736
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(736)
<223> n = A,T,C or G

```

```

<400> 159
gntaccnact ngnaccagtg gnatnnatca ancacgaag cctcactttt gacntcttng 60
cannngngna aaatttggag ctgggatttc attgcccatg ggcaagatgg ggaananggt 120

```

tanccttttg	cttanana	aggangggg	aaacccaann	ctttnaccan	aaaagaaanc	180
ttgganattc	tttgggggtt	ttggaacang	aaccgggttt	acctgggcat	tttttttaac	240
aaaaacnacc	ctttaacttg	gcttatttaa	cccggccttg	cttcaatcaa	cccacccttg	300
gggccctggc	ccccaaagt	gccaatantg	cccttcaccc	aacctattgg	gcanttaagc	360
ccacaaggcc	caaagaataa	acttataata	tcaanaaatg	gaantaagaa	aagaaaaatg	420
tggttcactt	gggaaaaact	tggcttggtt	ggaagccctt	cccaatgggg	gaagcttgaa	480
ggagcttggt	gtctcttgca	aggccattgg	ggggaacttg	ggcccacaaa	gccaaaagaa	540
gtcaagcanc	catggaaagc	ccccnggagc	ttgtaaccgg	tgtgcaacca	aggccgcccc	600
attccaaaca	agcatggggg	aaaccaacaa	gtnggncgcc	aatcattttt	nctcaattta	660
ttngggcnaa	aaaaggngnc	tatttttttc	acccttgggt	aagggtggtng	cnttttttga	720
gaaacttccc	aaatta					736

<210> 160
 <211> 458
 <212> DNA
 <213> Homo sapiens

<400> 160						
aagacatata	tcatgagaga	gagagattac	agtatgcaat	ctctcagctg	ccaacagaac	60
acagatgggc	ttgggaacag	agaatgatcc	agatctgcag	gactggagca	atccgtggga	120
agtttgga	gaagatctga	tgcataagac	agtaaaggac	tactgaatgt	tccatgatag	180
atatgcttgt	tcttttgctt	gcatgccctt	gaataaagac	attttgatct	ccaggaccaa	240
cctgagaaac	atataattta	atctagtttt	gaaagaagag	ccctgctaca	caaatactgg	300
ctcacaatgt	taacagatat	caactgaaat	atcaaagggc	tttcatattt	cattaaattg	360
actatcctat	gtgtttgata	tttccattta	attgaatatt	tcttaactca	atgaaaaaat	420
tatgagcctg	ctgtgataaa	tcccgtgtcg	catatggg			458

<210> 161
 <211> 264
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (264)
 <223> n = A,T,C or G

<400> 161						
cagaaattga	gaatcatttc	acttttgggg	gaacgggaag	ctggttgtgn	accaccctta	60
tgtgnacctt	cctgtccttc	agctacatcn	gatgaacctt	gggcagtga	ttatctaagt	120
cccatccaag	cttccagaaa	gaactgcagc	cccagctgac	agcttgactg	caacctcatg	180
aatgtttctg	agctaggacc	accagtttgc	ttctgaattc	ctcaccctca	gaaaaactatg	240
aatacaataa	atgctgatta	tttt				264

<210> 162
 <211> 882
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (882)
 <223> n = A,T,C or G

<400> 162						
agtcaganac	tngaagccca	tactttccca	attgccttcc	aagcttggtt	gcaccgggan	60
ggtttcaaca	atcantattt	ttccaagaaa	nggcttcctt	gggaaaagan	ngtggaaata	120
ttggtggtcc	ccaatccaag	aaaanccttg	aatggggggg	anttggtgaa	ctttgggctt	180
gcttggtccat	tcctttcaat	ggtcaagccc	caananaaan	atctggtggt	caagccccgc	240
cacaaaccat	tacttggttt	aaagccaagt	ggggaatgaa	aaagtggcca	aagccttgcc	300
caaagaaaaa	aatgggtaaa	agggaaaaat	gtttgcccc	aagggaagaa	aaacacccat	360
gggcaaagat	nggaaaccaa	gtaaaccagg	gggccacaat	caaggggggg	anaacaccga	420
aaacattacc	gggcccanta	aaaacttcct	ttaattaaga	ananngtcta	ccaagattaa	480

```

aatctancag atgaacanat tctctaaaagt tgggaacttt gggcccattg aatttgggnt 540
tgggtcccttg ccattactng atggaaaact actggatggg ccaagcttgg gtctgaaang 600
gaccccttac ccagaaagcc tttaaattcan tcaaaagaaa atggcaaatt tcccattatn 660
cctaaatgga attcfaatct tccctttacc ccttggaccc caatcaagggn ggggncccaa 720
aaatttttcc caacccccct ttggccttcc ccaaaaaacc ccccaacccc caanaaacn 780
tcttttaaaa aaaattaaag aaatctttcc ttccttaact ttccttggac ttcaancn 840
cccattgtna atccatttaa aacctctnt ttgcttggaa aa 882

```

```

<210> 163
<211> 828
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (828)
<223> n = A,T,C or G

```

```

<400> 163
cagatactga gaacacaaca aaaagaacct gtcaccacaa caaagagggg aaagtggacc 60
aagtggctta tcttgaaacc ttgtgggtcc ttggggaagc ccagggtgga accctgaata 120
atgaacatct aaaaagaaag cctttcttgg aacttcttga aacaaagaaa ttcggtggg 180
ccctgccaaa agctttgccc aatttgccac ttttttcaaa atgccctttt gggaatgaac 240
ccaagccact tttaaattctt gaaaaccttg caaccaagaa ctaagcccaa ccacctgggc 300
ccatgaaaac tttgccccct ttcacttggg tctgggaact tcaaccttct tggancccta 360
acggcttttt aaagccaaag ccacttaact tggcactttt aacaagaaat taaccccaac 420
ttgggaatcc cttgggaacc caacaagaaa ttccctttca aggaatccct ttctttggct 480
ggccaagaat ggaaagccaa aagggaattt aatttcccc ttcaaagtgt ttctaaagt 540
aatttccaaa aagccaaang ngnggggtgg aaaatttccc aagtaaccaaa gaaaaccaag 600
aagggttggc cccaatagaa agtaantttt ttaattctaat aaccttcccc tttgggtacc 660
ctagaaaaaa ngcttatttg agaactaatg aagctccacc agaaccangg gcctttcgcc 720
ancaaacct ccaaaatcaa taaattggga ccatggtttt aaatggatta cctggggaaa 780
tccttgata ggcctnnna aaaaggggga nangctaatt aaaacaaa 828

```

```

<210> 164
<211> 660
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (660)
<223> n = A,T,C or G

```

```

<400> 164
tggagaaaat gggattggga aacagaaggg agaagaaact gggcntttac cataagaagg 60
ttgcanaaca ccttttaaaa acctaaccct ttaaaatggc agtgggaaag cnttcaacat 120
ggaggcctcg tctaatttaa aacaaaccac acagacncac ttggcccaa agcagcgact 180
ggcctctgaa gannaaaagg tggggccctg caagtactgg gctgggaacc acctccacat 240
ctgaaagaat gctgtttgcc tgtatttgct tcccaacgct cttccttccc ttgcctgggt 300
gcctgttggg cctaacatgg agctctgccc acagtaagtg tcgttactat ggccactagc 360
ccataccaag gcatggcctt tgcaagtccc caacatacag ctcccacact cacaagcaag 420
nccatctcta ntgctgnca gaaagtaaaa gtccacacng ggcggggcaa aaagtcctgc 480
tcattccaan gnancaacgc accctnaaca agcttttccc aaaangcaac tcaaccactc 540
tttagaattt tttttttttt tnaaaaaaaaa cgggnttaa ggaacttggc aaaaaaaanc 600
ccccnagntg gaaaancctt ggggaaaaan tttctgggnc cccccccg ggctgaactt 660

```

```

<210> 165
<211> 643
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (1)...(643)
 <223> n = A,T,C or G

<400> 165
 cagaaactga ggtatattag ttcttatatg aatggacaga agaaacnatg gaaattggag 60
 ggaaggggaag angaacnct anangggngc ntantttngc nccccaggtn gnccttcaat 120
 taaaagaacc tttggcntcc aggggttcaan gtggattctt tttgcttcaa gccttcccga 180
 gtaagctggg gaactaacag ggtggtcaag gccttcttga cccaagcct aaagcccatc 240
 attatcccc tggtggatct tgcacctaac ccatcccaga atggccctga aagtaagtga 300
 aagantcccc caaaaagaaa gtgaaaataa gccttaactg gatggcattc ccaccattgn 360
 gaatttgttt ctgccttcac ccttaactgg atcaatgtac tttgaaaatc tccccgcacc 420
 ctttaaaaaa ngttctttgt aattctcccc ancctttgaa aaatgtactt tgngaagaat 480
 ccanccttct ggccgcaaaa cattgctctt aacttccacc gcctatncca aaacctataa 540
 gaactaatgg ataatccacc accctttgct tggacttctt tttcgggact canncgccnc 600
 tгнаaccccc ggtgaataaa aacaagnccc cttgtgtccc ccc 643

<210> 166
 <211> 629
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(629)
 <223> n = A,T,C or G

<400> 166
 tcaganactn ggagngaaga acaagctttc ccaagggcct ggaaaagaag gggggaagtg 60
 ccgggaacca ntgccttcen ccantaacca cttggcccac ttcttggtgg aaccttcttg 120
 gcaagcaaaa aaccctggaa acccccaaaa gaaggcaagc tttcttcaa aagtaaaaaa 180
 gtgggaaatg gaaagtttcc ctgggtggaa ccttggaat tccccatggg aagggaaaaa 240
 gatngganaa aaggganctat ttattgcca ggaagantg ggcatctcgt ggtccccttg 300
 ggttgaaacc caanattcca ttaagggaaa gaacgggtgc caagttgttg aagggtgggg 360
 acccttggga cccttgggaa taaaaaatgg ggggtggtta aaccaaaagt aatttgtttg 420
 aagtaagggt tgggtgggga agggaaggca ccgactaaga tgcaaggggg tctaagcttg 480
 aagttggaca aagaagctaa ccaccagggt tgttgggacc aaggacagg ggggggaccc 540
 tttaaagccg aaaagaacac cctgcccag atggtggtct ttggttcct ttgacctggt 600
 gggagaaggg cccctttggt ggggggtggg 629

<210> 167
 <211> 276
 <212> DNA
 <213> Homo sapiens

<400> 167
 ggtgaagcca gatgggagt ctgagcttca gggagcagct acgcaaagt aattgtgctc 60
 agcaaagtct tctagattaa gcggtcgtc caataaagt tcttgattct gtccagaaat 120
 cctcaactcc gacaataaga agtgggttga ggggcagttt gaatacataa tcaaaaagca 180
 tataattgaa gattgaactt gagctatagc ttcattgtat gtctctgcgt tgttctattt 240
 taatagttgc atatggagac aataaagcta catgac 276

<210> 168
 <211> 299
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(299)
 <223> n = A,T,C or G

```

<400> 168
agacgtctgg ggagcctacc tgcattaagt ccanatactg gagagaaatt caagaacctt 60
ggaaagctta cccaacctt tcttaaccat tggcctanta accnatggan caccctttaa 120
ggaangtggg gcaggaagta acccccggan ggggaaagaa acccctgggn taaccttgga 180
aatggactan tattggaaaa caacanggtt ggctttana taacccttc ggantcaact 240
tcaacttaac nggaaacttc ttntaaataa aaaggtanta atttttttaa agcccaatt 299

```

```

<210> 169
<211> 540
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(540)
<223> n = A,T,C or G

```

```

<400> 169
atttctgtga atagaccaga agcccgacct ttacagtgtg tttgggggtgc agaaaacctt 60
ggctgacata ctcaaggctg aaatgcagtc agcggaaatg gaaacacttc aactctgccc 120
ctgtggcaag aatggcttcc cttcagacaa tctggccaga ttctttatgg acccaatggg 180
agaaattgga tgcttgata tacctctcag catctttgaa ggggcactga aacttcaatc 240
aaattgggga aagggagccc tgaactttag acctgtttta aatgtgcaga gtggcaactg 300
gcacaaggaa cactttccat ctgtaagaaa gaatacaaa aacttggaa aagaaaaaag 360
tagatatctc atcagtcaat ggtgctgtat aggcattcac aaagatggag atgtgagcac 420
cgacaagatg gctggcatct ataaggcagg aagagatacc tcaccagaac ccataaatgc 480
tggcctctga cagtaaaatt ctanctgttg nactatgaga aaataaaatt ctgtggttaa 540

```

```

<210> 170
<211> 381
<212> DNA
<213> Homo sapiens

```

```

<400> 170
ctgaatgaag acaaacttta gccctctgag actgatggtc tcagaaagta gtcttcagat 60
taccagcttc agaatcagct gatgggttca ctaaaatgca gattcccagg cccagtggag 120
actgaataaa tcttagtttc ccaggcttta caggaacctat ggtgctcagc ttctaaggag 180
gcctcaggaa acttacaatc atggtggaag atgaagacgg agcaggacac agagtgcacc 240
ctctctggag aatgtagcca ccaggcacca tcttggaagt gaagactgga ccctcatcag 300
acaacaaacc tgccagtgcc ttgaccttgg acttcacttc ccagcttcca gactgtgaga 360
aaataaactt ctgttcttta t
381

```

```

<210> 171
<211> 334
<212> DNA
<213> Homo sapiens

```

```

<400> 171
ataatgacga ctgcaaaatg gcaggataag gaccgtccaa aaagcctcat tgatgaaagc 60
aatgagaacg ctggcaaaaa tgatcagaat cggttttttc agacctctgg aaattaacca 120
aagatttgca gtgaggaatg aaatttcagt gaaaagcaat atcctagcag cactgggggt 180
ggagaactga agccgagctc ccccaaagcc tcttcccggg gaactgtcat tatctgagct 240
gcctctctgt tccgtggaag actctacttg caagactatc tttgcctgat tgactcggag 300
cttaaccctg aggaacagcc caggggcatt tggt
334

```

```

<210> 172
<211> 351
<212> DNA
<213> Homo sapiens

```

```

<400> 172
aacagttcta gatctccatc gttataaaa agtattaccg tggttggtgta ccacaatttc 60

```

```

tcaagaaaaa cattagctaa gcccaagctg gattttgatg gataacatgc tgatgttgta 120
acaaggctgg agcgtggcac atctcacaca tgcagggtgaa caccacaatta ccacgcctat 180
gaactacaaa atcatctaag cagatttttaa attagccagt tgtttcccta ggatcctcca 240
aagggtgatca atacagtttg tttttttctt ggtggaggga tctcatgatg aactaatgaa 300
tcttaacatg aattgtaagc aaataaataa aatggtatgg ttttaagccat t 351

```

<210> 173
 <211> 376
 <212> DNA
 <213> Homo sapiens

```

<400> 173
gcatacctca agatcagttg aattggagca cagctggatg gaggcctcag gttaattaac 60
ttcctttgag agcatccaga aaattagcaa ggacatgaga aaccattcac tcaggacgac 120
caatcagcca ggacactccg aaacctatta aatcagattt ttaatcttct aagcctgtag 180
acaactgtgt gacatcagcc acatcctcaa atcttaaggg aaacacgaat acaagaatac 240
atgtgtgcaa ggaatcatgc ataaaaggat tgtgccttca gatcaagtcc aactgttttt 300
atttgtcatc aaatgtgaac ggagatatgg gtactagtcc caggaatgcc ataaactagc 360
agtgaatcac ttcttg 376

```

<210> 174
 <211> 513
 <212> DNA
 <213> Homo sapiens

```

<400> 174
atatgtattc tgcaatcatg accaaacaga aggactaaat ctggatcaga atctgaaatg 60
taaaaaggct acttgtcaac cagccattg ttttccgttg gagctagcag agcagcctcg 120
gctgcacatt cctgggacgt gaataatata ggttgtgatt acacttcagt atctcatcca 180
ttaccagccc tgtgaacact gaatataacc taattaggaa atgcgaaggg ccctttgcta 240
gggatgagtg ctggggcagc agagggtccac atgccttccc gacacagggg ttcaccgggt 300
ttcagacaca ggtttggatc ctgcagggct caaggacaga ctttactggt ctagtccaca 360
ttccttgtat aatcaccagt aagctgagaa tgtgacacct tggattccat cctatgttac 420
actcctcttt aaatgcattg caaaggagat atgccaggac ttgataagtc aagtcaattt 480
caaataggta ttaaagtatt aaatgaagtg att 513

```

<210> 175
 <211> 432
 <212> DNA
 <213> Homo sapiens

```

<400> 175
gtatgttgca ttgtacaaga tgaagttaga gtgtgaagca tggaaacaaag tgcttattga 60
gccagaaaat actgccaac cagctctcaa ggcaaaagaga ggggtgtacga gaagctaatac 120
ttcaaattgag aggtggagac ccagctggca gctagcatgg tgcggcgtgt tggaggcaag 180
aagcagaatc tcagactggc aagatgcaag ggcaggcagc ccaccacag ggaaggcgtc 240
gccaatcttg agcaactcta gaagagaaac ctgaacacat cagaactcaa actaactgat 300
aatgaactgg ttttcattac ttcttgagtg atcaggaggt agaattgtct cttacaacct 360
aatgtatacc attctcagtt gtctatttaa ggatttctta gtgagctcca tggtaaaata 420
tatctacttc tt 432

```

<210> 176
 <211> 387
 <212> DNA
 <213> Homo sapiens

```

<400> 176
aggggcagac ccagggtggga gtactgcagg ccacgccct cgaagacagc atccacgtgg 60
tcttccgata ctagcaagggt gtgcttgga gccggtgcct caaggattgt tctggaagga 120
tgacatcact caagggtgtga ggaccagca gacagagcac acgccctggc tccatgccc 180
agaggcccat ctgaggagcg gacaggcagc ctttcccacc agagtcacca ggggtgaggac 240
gtctttgagc cattccctac tctgagtcac aacctcgtag ctgattaagg ccacatggga 300
agcttcccat tcctcatact tcccctgatg ctctcaggaa ggacaatttc gggctgaacc 360

```

aaatctggat tattaagtc aattttc

387

<210> 177
<211> 420
<212> DNA
<213> Homo sapiens

<400> 177
gttgctacaa taattccagc tgtgtataacc tcctgggagc ataatagaaa tgaacctctg 60
aagcatctta ctgaagaagg cccctacgtt gactgtccag ctgactgtct ctacccgact 120
gctgtccac acaatatggg ccaggcgatg gtattgcctt tgcaaaactaa atgaagtcc 180
tcaaagtga gctgggtggc acttcagagt taacttttca aatggccggg cttatataga 240
ataacctttg taaaagtaaa ctatgatcat ataataagat acatgtgcat ttggaacgcc 300
actgcttttg gaacctgtct cagtttttat catcatacaa ggtaattgt ctaatgtcaa 360
ttagatttta tcacaagtcg atttgggtcc taatctggaa caataaaagt ctattaaacg 420

<210> 178
<211> 421
<212> DNA
<213> Homo sapiens

<400> 178
ggcatcttga agcagaccag ccacgttgca agtgcttga ggcacggatg actggtggct 60
gctgttctgg gagacagaat cctatagcat cccagtcct gcagcacaca ggtgggacaa 120
ttccagcttg atgtctcagc cagcgggttc ccacgtcctc cccgcctctc ccaggcagaa 180
gacagagtga cccaggtaac caggaaaaca aggccataaa aaaggaaactc ctactaatga 240
aacctcctag attccaagga ggaaaacgta gctctcagac caagtccgtt ttcgcccttg 300
catctgaaag ggagtcggg gaattgctaa ttttgaactt tctatacacc cttcctgcct 360
ctggatgtgg ccgcctgact cgaattcctt tgcacaataa aatgaggggg aaaaaaatca 420
c

<210> 179
<211> 115
<212> DNA
<213> Homo sapiens

<400> 179
aatacgttcc agaggacaag gactgtgttg ttcacacag tattccagaa cttaaaagga 60
actggcacat aattggagct tactaatatt cgtcaaaaaa atgaacaaat gaggc 115

<210> 180
<211> 449
<212> DNA
<213> Homo sapiens

<400> 180
ataagagtga gcatttttgg aaatgtgatc aactgacgca aaatggcagc aacactggaa 60
ggaagaatca ggaggatatc ttagaagata accacagaat ctttgcaaga gacacagaag 120
actaccttac acctggtttc cacaggagaa atgggtcaaa atatgttatt agttgaacag 180
taggaaaaat gtctatggtc tcttcagcac catctgtatg tagtctctga gtctccagt 240
tctcatctat gaaactggga taataatatg caatgagagt tattctgaag atcaaataag 300
atagcatgtg aaagcagttc tagattccag acataagagt aagattaaaa gaaatgttgt 360
tctcaatttt cttgtgtcat tgctgtgcc atctagactt aaacaaatgt tactgtaaga 420
gccaaagtaat aaactaacac atctaactg 449

<210> 181
<211> 506
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(506)
<223> n = A,T,C or G

<400> 181
gtgatttttag aggaataaac acccttagcc gtcagccaac atttttacaaa tgaaggccag 60
caagggaaaag gagctcactg aaggcccatg ctcattaatg aggaagcaaa aacaacagca 120
cacagcctct gtccccagg ccacgctcct cgattttctaa gcgctgttcc agtccacaca 180
ggacaagaca tccttttttc ttctagaaca acagctcagc cccacctgaa agaaagagtt 240
cattgatact ttttcaaagg cttcacaact cagctttttt ggagacttca gcaaaaataag 300
tcattatctg gccaaacttta agaatgaggn ttgctaaatg tatcagcatt ctgaggntat 360
cagaagactc tgcacacttg catatctcac aaataccgnc aataaataca tagnttcatt 420
tcctcattgg ttcacaaaaa aaaaaagggc ggccggggcc nttnancttg gacttaanaa 480
gggtggaatt tnttaaaagg gggggg 506

<210> 182
<211> 510
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(510)
<223> n = A,T,C or G

<400> 182
gcccagcgg atggaactca taaataaaga gtgagaaatg caanttatgc cagangttag 60
aaagccaggc tccttgccac agcaagaagg ggatagctgc agcccacgga gaaggagaac 120
cagtaaagtt agcaaaagca ggcagaagaa gtttctaaag caacatactc tgcaaaagcag 180
tctgggcat gtactgtagg agcaagttgc cagcagcccc cgggagcatg aatggatata 240
gcaactgttg ttgaaaaaga acaatcctga tcaaccaca tcaaaggcta atagacctca 300
tttaagaaga cagggaaatg taaatctgtg agatacttca ggatcatttc tatcaaaaag 360
cgtttcatat aataaaggaa taaagcctca gttatctgga agggtcnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnngg gggccggggg gggccctttt ttttngtttt aaccgggnnt 480
tntttttttt aaaggggggg ggcccccca 510

<210> 183
<211> 379
<212> DNA
<213> Homo sapiens

<400> 183
gctcgggtgac taggaagagt ggctgaaagg ccccacctct gactcctccc tgcttctgat 60
agcctgagtc ctgggggaca gaggggaagcg cctctgggtt cccctctccg tgtgaggcag 120
acagcctccg cccaggctct gaggggccct aattcttcct aacagacagc agtttgagc 180
ttctcccaga gtgaccagg agccagccca ggagtggtct agaatagaca aaggaccgtt 240
agtatcccga tgtgaatttt agaatgtgta tatttcatac ataaaaatag aaatgtatat 300
gaatgtaata tagattatat atttattatg tatgtaaaaa cagtatgtgc acatgataaa 360
tgagcatatc tacgtctct 379

<210> 184
<211> 317
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(317)
<223> n = A,T,C or G

<400> 184
gaccacctg ccatgctgtg aggacaccca ggccacatag agagagtgag gccacatgta 60
ggtgttacag ccagaagccc cactgaaaac caaacctgca accagcatca actgccaaac 120
atgtactgaa gaggctgaga tgattccagc acttgtggat gactgcaacc acatgagaga 180

```

cccagagcaa gagctaccta gctgagccca gttactccca gaatcatgag agaactatgt 240
aattgattgn tattactata taagccactn ngtttncntn tgatatgtta tgcagcagta 300
gacagctgga acaggag                                     317

```

```

<210> 185
<211> 378
<212> DNA
<213> Homo sapiens

```

```

<400> 185
gtgcagtga caaccacgac aggcttcaca tcacccacc ttggtcagaag ttgccaccat 60
taggacaatt aattaaattc aacagtaaa atgctgccat agttaatgaa tcatgttttc 120
cctggagctt tccacctatt caaaggacaa gtttcagagc ttggatgagg agcaactatc 180
ttatgaacac agagacattt gtcagtttta aagggtcaa tagatttttg ctcagggttc 240
caccaaaatg atagacttga aaatcaggat ttatcaaact atgttctaaa ttatttcaac 300
atatcgagtg tattagtctg ttttcagtct gctgataaa acatacccga gactgggaat 360
aaaaggagga ttaatttg                                     378

```

```

<210> 186
<211> 688
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(688)
<223> n = A,T,C or G

```

```

<400> 186
ggntccctc tgttgncan ggctggnagg cngggggcgg gaacctnnn taactggaac 60
cctgggcntc ngggggnnaa ncctaatacng cggtgncntc gggcctggcc aaaggaagcn 120
ggggaattaa cagggtccggc gccgtcacc aangccccgg ctaaaattat ttgggaatt 180
ttttttggta agaagaacgg ggggggtttt ngcgcatgg ttgggccaa gggcctgggn 240
cctacaaaaa antccctggg cctcaaaagg ccgaatccca acccccggct ttcgaacct 300
aacccaaaa gtggccttggg ggaatttaac caagggccgg nggaagcccc acccgccgc 360
cccggggccc aagcctggga ataagtnnct ttaagtgaat caaanatgaa cctggngggg 420
gcctgggaaa cctcaagggg ggggaagggg gccctnnacc cttctngggg naaaacnnat 480
cctggggatc ctggacaagg gggncctttg gcttccattc accccaaggc ctcaaaagt 540
gaaagggggg caatgaancc tccgggctca acctggcccg ccttggaacc tncctggaa 600
gcctcnaaaa gggaancctc cccancctca agccctcaaa ggaanaannc taagggaant 660
gganggcnaa gganaccaat tgcccccc                                     688

```

```

<210> 187
<211> 404
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G

```

```

<400> 187
gtgactgcct aatgttaaca aagatctgta ggaatgatgg gaaggggcac tggacttnt 60
ctctttccta atccttcaag tcatacctga agatccgcag tttttctgga gacaggtgaa 120
gtccagcccc tgaaagacgc agacagtga gagagaagag cctacgtttt tatatttttg 180
tcaaggtgat gtctcaagca aaatgaagtg gtttgtggct gaaacaacct ccacgggaaa 240
gaaaactgga gtgttcgttc atccatcaaa gaacaaacgc caacgtctga gccaacgacc 300
ccagctcccc cagacaaagc agtgaacaga ttaaaggatg ggaggaagga tacaatcaaa 360
atcgggtggt gatggctggc agataaaaa atggaacgct tcac                                     404

```

```

<210> 188
<211> 552

```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(552)
<223> n = A,T,C or G

```
<400> 188
gcagaaggcc ccanaaggnc cgcaagaact cccananaag gccngcaatn nntccgncaa 60
gaaggggcccg gcngaacntc ccgcaagaag ggcccgcgaag aactcccgcg gaaagtccgc 120
cacacangca aagggaaaaga tgcctccgcg gtccaagccc ggcttganat gagcaggccc 180
gangagccaa tggcgcaaaa gaagngnccc ggtntcccgg atcggggnant cctcataact 240
ttncctttcn ttctggacca aggtaaagcc cacaagagnt atgggaaaaa agngcttggg 300
gggaaaggaa ancnggtggc cggaagtcc ttcttcccaa ccaagggnc cactnaattt 360
atngggagga aacccaaaaa ggcggttttt ccttaaaaaa cctggaccgg gggacaaaaa 420
tccgaanngn aacctggacc cacttgagn accattggga cctttcccn taaacctttc 480
aaaatctnng tgggaagaag aagggccctc aagaaggctn ntccactcgg cctattntca 540
atttatcaag gg 552
```

<210> 189
<211> 317
<212> DNA
<213> Homo sapiens

```
<400> 189
acttgcaact tatgtttccc ttttaatcac aaagctgaag aatagacaac tatacgacct 60
atcatgaagc aggaagaaaa aaaatcatcg acatttttga ccatgcaaat gagcattttt 120
tttctgcaga ataaactaag gctaacaaaa aagacaaaaa caactgatca ttcgtatgaa 180
aacctaatta tttggtggat ttttcaaaaag gtggtcagct aattatgtgg tatcatctgg 240
accaatgttt tctaggcaag cctagatggg caacttttga gagagtttat aataaagttt 300
gatttgttta tgcatac 317
```

<210> 190
<211> 370
<212> DNA
<213> Homo sapiens

```
<400> 190
tgctgctttt agaccagtcg cacaccaggc cgaagaggtg agagggtgag gtgtttccca 60
caagaacatc cacatcctca ggatggatgg aggagcaagg acgagaaccc ccaacccccg 120
agacagtttc tggctccttc cttccaagaa gccctacaca tgatatccac gttgaagccc 180
tcatgcaaca agctactcat tcctcttctc aaaggaagtg ctgagtgtct ggcaagttgg 240
aaagaatgag ggattcttct actgggttac ctggtcagct ccgaggagag ttaaaccagg 300
aaaagtagtt caggctggta tacctccctg tttgtccttg agggcaactt aaaagcacta 360
tttacacaag 370
```

<210> 191
<211> 427
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(427)
<223> n = A,T,C or G

```
<400> 191
catgccatgt ggacgtgacg cctggagata tcgcacccac cttataatca ggaggaagaa 60
tgccacgtgt ggaggatggg gccacaggaa tctggaagag ctcgatcctg gacgacttgc 120
tcaagcagct gcacattcct cctgccacct acttctggat attgtgttag gaaactggca 180
tgagcataca catccattca gaggaggtga aagtggagtg actgatgcta gaatccccac 240
cttctgagtc aacggtccag agaacaaggc caaacacagg acaaataactt ttcaggcttc 300
```

```

aggatcaaatt tttttattct tgaatgatcc aaacacttta agaaaaataa agttttctaga 360
ggaaatcaac aaaagtgggn nnannnnann nnaannnnan aaaannnnnn nnggggggcg 420
gggggggc 427

```

```

<210> 192
<211> 453
<212> DNA
<213> Homo sapiens

```

```

<400> 192
ctttggtgtc tgcacagtcc cacacgagcc aagccccgct tgcaggggtca agctgtcttt 60
tcatagtggg aaaaagctga tgaaaatcct tcacacagag gtgttaagag cttaatgatg 120
aacactcccg acctgagtta taatttcaca agaatttgaa ctttattttt ctgcgagag 180
tcacgtgatt tgtcctgcgt gccaatataa ctactgatgc cagctggcct gaagaactcc 240
atgaagatct gactgactaa agaatgcagt ttccaatcct ggtgatttca tcccccttat 300
ccaagcagt caataacttc tactttccag cctcttgctc tcacagatcc ccttaaagac 360
tctagcccaa aactccccag ggagatggat tcgaggattc ctctgttcgc tctactcagcc 420
actctgcaat cattaaactc ttttctctgc tgc 453

```

```

<210> 193
<211> 453
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(453)
<223> n = A,T,C or G

```

```

<400> 193
tctgtgtcat gctgccttct gtagcaacaa cggctgntcc ctgnttntgt gccacatgcc 60
aaactattca acatntgcac atactctcct agtcactctt aagggtgttt cataatgaag 120
aaactgaggc cgtgaggact gaggggcaat gctgcagcaa tgtcaagtcc attcggtgga 180
ccacgtgcct tccatctcca aagacacagt ctgtgctcct taaatacctc ctgacaaact 240
caatgtgcag aggcaagata gagcaagttt ctgctgcaaa ctcaccacca gtatgggatt 300
ctaagcccan ctncctgcca atgattcttt gcagggncac agcttctgtg cctgttcacc 360
tagggctggn tnaccacagg gangganent gattggggaa aagcattggc ngtnncagaa 420
tggaanaang gacctcaaaa ttttgtctta ggg 453

```

```

<210> 194
<211> 473
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(473)
<223> n = A,T,C or G

```

```

<400> 194
gcttttggca tctccattca ttccggaaca gccagtcagc cctctctgct gtgtcccaga 60
gcaccaggaa gtgagtaaca gtcctagagt gagacatgga ggatacagcc aagtatcaga 120
ggagtgtctg ctgctgtctg cttctacacg tcaccgtact ggggggaatcc tatgtgaagc 180
cgccccatgt cctgtctgcc tggatactca ccatgcagat agctctctgc attcagcagg 240
gtctggctta ggccctctcc tgggggcccg agaccctct gttcttctcc agaccctgca 300
gaattctgga gaggagagga aggtggaaca cacactttct tinctgtttt ctanggtgnt 360
gggcatctc tcttcttctt ttaactacga acttcacagn ccaaccactt tctctttttt 420
acaagcccct tggggctcct caagaaccaa agtaaaaaaa agctttaaaa atg 473

```

```

<210> 195
<211> 127
<212> DNA
<213> Homo sapiens

```

```

<400> 195
ccattgacct ggatggacct aggacacaca ctaaaggaca catctggatt caccaaggag 60
ctttttatat ctcacaaaat agcatgttgc taataagaag aataaaatga aaccaaggta 120
caaaatg                                         127

```

```

<210> 196
<211> 311
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(311)
<223> n = A,T,C or G

```

```

<400> 196
agaaagaacc ttcaggnntn gggaggtggg ncttttctntn cntnaaaacn atgatncctt 60
gggtganccg nnnggattgn cccacaancc ccgatggaaa cattcaanag gngaattgcct 120
tgctcanaac cccctggcca ggcttaggag ggaaaaanta tgctttccaa cnttggcaag 180
aaattgctgc atccanaggc tgcagaagcc ccgaggagca tgaacatgct ttggaagaat 240
angcgctgcc ttgagtgaca tcctgaacca gacccttaca cacacancct tcattgggtgg 300
cttttggggg t                                         311

```

```

<210> 197
<211> 497
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(497)
<223> n = A,T,C or G

```

```

<400> 197
caactgtgga agtcaaggcc agaaatcact cactatatca tctgatattc ctctgatcgt 60
tatacctatt ctcaagtgtta aggaaatgag accagttgaa acgtccacat taaaataaga 120
agaaggagag aagggttttct aattgcagtt aatgtcatcg ttaaataaaag aatgccataa 180
aggaacgaga tcagcagtgga ccttctgcac agtttccaaa gcctcgccaa cctacctccg 240
tgtcctggtc tgacttatgg cagaaacaga agttcaaaga cctggctgat atgctccgtt 300
aaaaaccctt ccacaacgca gttaacattt tctgntttct gactttcttt ttctaagag 360
atgcttaaag caaaaaangg ttcttgcctt aaaaatgaca ttaatatatt gttaaataag 420
aactaagata atggtttngg ctgctacaga gaccgttacc cttatgcggt tatctnaaag 480
cttttcgatt aaaacac                                         497

```

```

<210> 198
<211> 350
<212> DNA
<213> Homo sapiens

```

```

<400> 198
atctgaagag aagagaaacg tgagggaaga acaggcggtg gcagccggaa gagagtgggt 60
ggaacagtcc ctgcaactct tcagagaaaa gaaaggggag ctggcccagg cccaagaagt 120
gtccctgggg gccgatgtcg gcaggaatcc ccgcatctcc acatgcggaa ctgagagaag 180
tgcttggcag attcaatcat acagtgactc aaatgtcaca gcatgactat agagaaagaa 240
taatagtggg agcatcccgg ccaattttca acagaagggc tcaggataag gaagcttaag 300
aaaattgccg aagagaatga taatgacaat aataaaaaa aatagcttcc                                         350

```

```

<210> 199
<211> 275
<212> DNA
<213> Homo sapiens

```

```

<400> 199

```

```

caggtgaata aggtgggatt tgaaatcagc atggcagtgt ccagtggag aagggagctg 60
aagtttcttg aggatgaata taaagctggg ggagttatca ttgagcctaa ctctctggtt 120
tggaacccat aaaccctaata caatatacct cccaagttta caatagaggt gagtatattc 180
taccttactc catttccatc ccaacttccc cactttgtaa actttcagaa ctgacttatg 240
gaggtttata acagccagat atcaaaccac tagac 275

```

```

<210> 200
<211> 354
<212> DNA
<213> Homo sapiens

```

```

<400> 200
agaaagagga aaggaccagg agtggcgacc ggcaaaccac agcttgtgtg ggaaggaaat 60
ttgacatgtg atgcaagcgg accgtttgtg taaactgctg ggagattaac aacaactgtg 120
agtgggaattg ctgagtcatt tggcaaaacta ccagttctgt tgaacctcag ggccatcatt 180
ctgttcatgt cagctcgttg tagaaccaca tcgatgaaga ccaagatggg aaagatgaaa 240
aattgtagct aacatttact gcacatttac tacaagccaa gcattgcact atgaagttaa 300
agtgcattat tcattaaccc cttcaataaa atttgtaatt ttcacttcag aagc 354

```

```

<210> 201
<211> 310
<212> DNA
<213> Homo sapiens

```

```

<400> 201
gttggctgat tgtggaggct aaagcaactc taccttgcca gcttatccac catgtggact 60
tctaattaat ctgagttgcc ggaatgcctc taagatttct acgttatcta ctgtgaagag 120
caagtaatta ctgcaaatcc tgcccttggg tcaaaaacaac cttgatgaca tttccttct 180
gaagcacata tactctttcc ctaggatatat aagccttggg tctgggggct aacgggtgcag 240
ggatccatca tctcacagcc acccaagaca tggcttttgt tcaaaaatcc ctattaaatg 300
tttcattctg 310

```

```

<210> 202
<211> 446
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(446)
<223> n = A,T,C or G

```

```

<400> 202
gtggttacaa ctgtggccgg cactgtcct aacaagtcag aagagagatt ctttgccaaa 60
atcttcaggg gaaacgacac gactaccctt tgcttttctt caacgaactt cccttctact 120
tagggtttta gggcatttgt acaaatgatt tgttccttgg gtctgaatct tggggatgtt 180
tatcattttc gttgctttca gaaaatagtc tgcatttctt tctattacct ggaccatttt 240
cctggctttt taaaaaaaaa ttattattca aatggaaaag cggcgagccc agaagagacc 300
gacgaattga gctcttctct ctctcgaaca cgggggcacc tctaccgct acagacttga 360
agattttact cacttctctt catccctctg ctcggttttg gagggtaggg gcatgaagtg 420
gntgaatcta aactggcaga aaaccc 446

```

```

<210> 203
<211> 88
<212> DNA
<213> Homo sapiens

```

```

<400> 203
gttcatatca tggatcccat tttatagatg ggaacactga ggcttgagtt tacacgagaa 60
tttgctgaag aggagaagga aaaaaaaa 88

```

```

<210> 204
<211> 211

```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(211)
<223> n = A,T,C or G

<400> 204
ggctttttca ctcattccct angcatgtgg gacctcnaag atgccgaatc agctaaacgg 60
gaggnggctt gagtangatt tgctgccagc taaagcgtga gatgctattg catgtgcaag 120
gcaaggcctt cttcancggc atcatcttnc aaaatagccc agngagcatg cctttctcct 180
gaaaaataaa aaatagttgg tgtttactgc g 211

<210> 205
<211> 245
<212> DNA
<213> Homo sapiens

<400> 205
agttcccaa ggacagaggt cagggaataa gagctgagt agacctcca aagcagatca 60
caaagagaag gggacactgc accatggagg tgacacaggc cagtggccac ggtgctggac 120
ctggggctga gaggaccac atgtatatcc tggccgattt aggtatctta gactttctgt 180
gcctcacttt ccttatctgt gaaatcagca ttctgatcat gactaaataa aaattgctgc 240
cattg 245

<210> 206
<211> 325
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(325)
<223> n = A,T,C or G

<400> 206
gggtatcctc accttgata atcctggaat cacacttctc tccgcgtaca tgctggcaga 60
gctcattctc tccacttggg aaggaggcta caacttacag tgtcaagatc ttaccagcgc 120
aggggaagct gacatccgga ggaccaactg aataaaccac agcacatcca cgtagcggat 180
gcctctacca agtggagtga ggaagagctc tataccgcta cagaattgtn tctgggatat 240
agttacatga acaaaagcaa cttgcagacc gtgtttatag gatagcacc tttgtgcaat 300
aatgatatg aatgcaaaaa aaaaa 325

<210> 207
<211> 232
<212> DNA
<213> Homo sapiens

<400> 207
aactgtctac tggctgcaga taagagaatc tctttatggg ggaactgaaa acagaagaaa 60
aatcaaggga taatggcatt tgagggttcc tcaatgaccg cccagccaca tcacaccgga 120
gtggagcccc aacctgagag gctcttacc agagcttcca gtcggcattt cagtggatca 180
cttttaaaaa taaatggtga tggggtgatg gaaatgctac ccccaaaata cg 232

<210> 208
<211> 159
<212> DNA
<213> Homo sapiens

<400> 208
ccttgaatat gagcatgctg catgctgcag cagtatatag tgatcaaagg caacaagcca 60
aggatgatgg aagaacaaga gagaagcagg ctggttcttt gacattggac agccagagtc 120

ccagccctgg atggcctgtt ccagacatct tgtcaagtg

159

<210> 209
<211> 329
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(329)
<223> n = A,T,C or G

<400> 209
gggtgcgatt tactgggtgat gagctctggg accttcaata ctaccagaag attgaggaca 60
tatcagggga gacctgttgc ctcacttttg tcccaatgta tgacctgttt ccacagagaa 120
acatgcagga gaaattgcac agatagaaga actgaattaa caatctccaa gactgctgag 180
tggttttgat ctgccttgct tactttttca gccgctttat atgctgaaat gtttccagtg 240
caaccagaag tttcaagtgt aaaattctgt ctttcctctt ctgttatattt aagcttttaa 300
gacaccatac ataanagcaa ataaatgac 329

<210> 210
<211> 133
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(133)
<223> n = A,T,C or G

<400> 210
agatggggtt ttgccttgnt acccangctg gataactact cttgatgaca taaaatctac 60
tgnnngcagn aaagacagan agcatncacc ctaatacctt agttatgaan actacagaat 120
cagtagaaga aca 133

<210> 211
<211> 270
<212> DNA
<213> Homo sapiens

<400> 211
gttctgcatg ctgataaaat gatcaacacc tgctgggtctg aagggtctcag caagaaactg 60
actcatggga gaatgcactt tccatattct aatgacttca tcccccttac cctgaccaa 120
cgataacccc aattttctaa ccccttgccc tctccaatcc cctgaaagat ccttgcccag 180
aaccctcaa tgaaatgaat ttgagtctcg agaattcctc ctgtttcttc attcagtcac 240
cttgcaatta ttaaacaact tgtctgctgc 270

<210> 212
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(355)
<223> n = A,T,C or G

<400> 212
gtggagagaa cagcatgtgt gaaggccag anccggcccc cggatctttt canaatgcat 60
cttgggtcagg ggaggatggt cggccaggac acatgcatgg cccctggag tcgtgcagct 120
gctggccttg gtgggacttg ctcagggact cactgctggc cttggggagn acanaactca 180
ngcnttgtn attccgaaga ncnnggtctn ncnctgcaa ntgccgttnn cagaatngnn 240
cccacccag gaggatcacc catatncaac nccnggagca gcntcagcca cnctnnaaac 300


```

aaggggggaaa cgccaagccc attacattag gactttttccc tgccatcact gggt      355

<210> 213
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(397)
<223> n = A,T,C or G

<400> 213
ctgcttggtg ctgcggtgtg ccctatcctg gctgcatttc ttcattccct cccctgccca 60
catacatcca cagccccagt cggctgtatc catgaagagc tgaatggaac aggatgactg 120
gcagcccacg ccaagggcca agagatgtga aggtagaagc aagaagttag aatgacctga 180
ggaagaggtc acaagcccag gaatgccagc agccactaaa agctgaaaaa aggcaaggaa 240
atgagttttc ctctgaagct gccagaagga acaagcccag ccaatgcctt gaccctagcc 300
cagtaaaatt gattttgaac ttccaaaaaa aaaaaggncn gngngggccan ttnagntngg 360
acttaaccag gnngaacttg ttnaaaaggg gggggggc      397

<210> 214
<211> 141
<212> DNA
<213> Homo sapiens

<400> 214
gtgttgagtg ggtccctttg gctggctgct ctatgaatgc tgtccttcgt gcataagaac 60
tagtctaagc tcccaaagaa ctggatgcta atccctgtcc tgataactaac tcaccctggg 120
acattaaaca ggtcaaaaaa c      141

<210> 215
<211> 96
<212> DNA
<213> Homo sapiens

<400> 215
ttcctcctcc tgccatggtt tgactgagct gaacaaaccg gaaacttctc taggaaccgg 60
gctatactat acatgtaatt aaaagttaat tatctt      96

<210> 216
<211> 305
<212> DNA
<213> Homo sapiens

<400> 216
aaagaaaaac tacatggaat gaggaaatag accactcctg ccttcaaaat cctcttcgtg 60
aggtttatag aattcctaag aactcaggaa agacatcagc agagagcaat gatcgtcata 120
gccagctcca cacagaatgc acccaccag ctacttgctg aattacaacc tgatgatgga 180
tccaccagaa actaagaatg gaaagggtat aaagaaatca cagcattcat cttctggaag 240
aaaaagacta tttcttagaa agtaaaataa atgaataaaa gcacttaata aggagcataa 300
cgcg      305

<210> 217
<211> 427
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(427)
<223> n = A,T,C or G

```

```

<400> 217
ctttctctaa ggaagtgaca tataagctga gcctgaaaga tgaagaggag cagattgtat 60
gcagagcaga gggaagagca agctgatgga ggtgactaat cagagggcct gatggtcaag 120
tgctcaaggt ggagttaaag gaaacctgc tttcttgaca tcaccagctg ctcagaagcc 180
ttcagcaggc atcctagacc ttctccttct ctaagggatg ggccctcacct actttcttca 240
gctgagacct ggcacagacc cttggagctt ctaaggaccc cattgtagcc ttgggggtgga 300
ggcccatggc accactgccc tctccctggg ataaagggtcc tggggccact tctcaaggct 360
gggncccttt nttaagaagg aaatgntttt tcccaaataa cctnctcttc ttcctttttc 420
ttcaccc 427

```

<210> 218

<211> 438

<212> DNA

<213> Homo sapiens

```

<400> 218
gacgtgataa cgagtcatac tgcggtggat cggcatgcac cctgtccccc ttcttacctc 60
ccagaattac ctcagtatca tagcgtaggt gctttggaga aaactgactc ctcctagcaa 120
taagtcttca gttgctttta gctttaagca cattctttca gtccctctgat cactgtcatt 180
tgtccagggg tgggcatgga ctttagtggt accaaaaaaa atctcgcatt cctatttgaa 240
atgctgagac agaagtacag gctctcactt tctctgcagt tggcagagag ggaatgtggg 300
ctcgattgct tctggcaaac attgtgcaag tcatgttggg aaaggggact tgaaatgaag 360
cgaagattcc agaaaacaga acaaaccaaa agaaatggtg accactataa ctggcaactg 420
tggagcctgc cctatctt 438

```

<210> 219

<211> 424

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(424)

<223> n = A,T,C or G

```

<400> 219
gaacactatg aaaagattgc aaaaccaaatt catgagaagg ttagattcct actgaaatga 60
aagatattca tgggtatttg aaactcttat aagcaagaag tccgaaaagt tcaagatact 120
tctgtagaat ggtttaattt aaaaagtggc tgctatcctg gatggggtta agaagctgct 180
ggtagctctg tctggatctc cttcttccct gttgttctcc tcccaacaaa taactctcat 240
cttcaagtct accaaaagcg gctgacctta gtagcataac ctctaaacca aactcaactc 300
ttaccttctc cataaagctg ccagaaattg ctccctgccg gagtaattta cctcttacac 360
accactgtta tttactgtg tgggactgna ttcccaanta aattgagaat gtctaataga 420
tttt 424

```

<210> 220

<211> 318

<212> DNA

<213> Homo sapiens

<400> 220

```

taaccggatc tcctcgaatt ccgcgcgcac gaagactcag gggagggggc cgagtggact 60
tcaccccgca tgagacgtct ggcaaaaataa gaaggctctc gcaaaacctc acaaccaaatt 120
atgcaaagcc ccaaattgaca accaccacct cctcgaaact cagaggtctg ggggcgtccg 180
gctggaactg ggggtttaaaa aaagaaaatg tttacaaagt ataacaagat gtttgatggg 240
tggaaaaatg tatccacgag ttacatcccc ccgtttcctt gcaaagcccc gctggctctc 300
ctctcctttt cttctgcc 318

```

<210> 221

<211> 227

<212> DNA

<213> Homo sapiens

```

<400> 221
ccttcagact tggcctgaaa cattggctcct ccttggggttg tgagcctgca ggtcctcaga 60
ctgaaactat ccatcagctc tcctgggttct caggctcctg gattcaagct ggaagtacac 120
atcagggtctc ctgggtcctc agcttgatga ctcgagatct tgggaattct cggcctctat 180
aactgtgtgc cccaattccc tataataaat ctttgtcttt ctctccc 227

```

```

<210> 222
<211> 462
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(462)
<223> n = A,T,C or G

```

```

<400> 222
gtcgaaatcc ttccccgctg atataaatat ttgagttggg gagcagagct tcagggacca 60
tgaagaaaat gctgctctgg ggacactaat tgaactttca tctagcaggt cctgtgccct 120
acctactcaa gaacaagttc tgtttgatga agaagttaca cagctgccaa gttccctcat 180
tctactacct atctaccccc aaattcagga atgtctccat atgttgacta tgcngacttt 240
ttcagtgtcc tagtggaacc acagcttaaa aaatgggaaa tggaggcagt cccatatggc 300
agagtctccg atgtggaatt aggcacgtt ctccaaaagc cagcctgcag ccctttggag 360
agcttactaa actataaatt gtcaactgta ttacatgata aagcagatgt gtccatacag 420
taactctttt gctaataaat gaggnctaaa ttccaaaaat ag 462

```

```

<210> 223
<211> 465
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(465)
<223> n = A,T,C or G

```

```

<400> 223
tggttaattc tcctgagtga atcacaagtc caagggtggct gaatgcactt gccagtctat 60
tgctattgaa gcaccttaat gacataaaga agaagaaaacc aatgaacatt gttatatatt 120
tcattttaaa ctgatgtaga cattttgagg aaatctgcat tttgaaccag gttaactgtg 180
gaatgccctt ggccaagagg aggggtccat ttgatgattg gatggcctta gaatttat 240
ttgggttaata gtgccacaca gctaaatcca agagagtgct ttagaaaata aactctggaa 300
acatatttga gaaactaata agaatgatta actgtagagg gaagtgtcag gcctctgagc 360
ccaagccaag ccacgcacac ccctgtgacc tgcactatat gcccggatgg nctgaactta 420
ctnaagaatn cccaaaagaa agnggatttt tgcccttgcc ccccc 465

```

```

<210> 224
<211> 184
<212> DNA
<213> Homo sapiens

```

```

<400> 224
accattagaa tgtgacctct gtgaagacaa cagaaatgga ggaggcgatc catgggcatc 60
ttctgaagct gttttggtta actttgattt ggaagtccctg gttccagggt ctccctgttc 120
ctgggaccag ctccagaagt tcattatttt cataaataat aaatgaatgc atactagggg 180
ctgg 184

```

```

<210> 225
<211> 124
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc_feature
 <222> (1)...(124)
 <223> n = A,T,C or G

<400> 225
 tcttaacctt ttgagctccg ttcagcctgg ttaagnccaa gctgaattgg ccnattcctt 60
 tngccttttt accctggaag aaatactcat aagccacctt tggtatttac ccccaatctt 120
 caca 124

<210> 226
 <211> 374
 <212> DNA
 <213> Homo sapiens

<400> 226
 atgaagatca ttgagattag agaagaaaat gggatctggc caaggacata caactaagaa 60
 atggcggtgc cacagatgga gaaactgaca ctcagacagg ccaactgac tgcccatatc 120
 aacgagctaa aaaaatggca aggccaggat ttggccctag gctgtcttaa ctctgaagac 180
 catgtgcccc gtctcctgcc aggccattta catcctcagg aggattgctg cagccccagg 240
 acaggcgatt gcctttttacc accctcctgc cagaccacac tgctgctgtc cctgctcctg 300
 taccctactt ttgctgggtt gaaaagggtg aaagggttac cccactgctt gttgtacccc 360
 accccaaatt ttgc 374

<210> 227
 <211> 318
 <212> DNA
 <213> Homo sapiens

<400> 227
 atgcaatgaa attaacctct ccttccaaga acagcatgca ggcagctagc tggaaagact 60
 cacacttgag tgaatagcga cagctcgccc cttctgctgtc ttgacgctgc tgtctctact 120
 ggccacttgg tctaccagtc agttgtgccc tgtatgtacc cagccatggc tgggaagact 180
 cacaaccaca agattgccta tcagtaggaa atacaggaaa ttacaggatg ggtatatgag 240
 acatatgtgg tggatataaa gctcaatagt agtgatacaa gtgtcatatt cagaaaataa 300
 tataaacttt cttgctat 318

<210> 228
 <211> 502
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(502)
 <223> n = A,T,C or G

<400> 228
 gccagaggg gactgtggac ttggtgccag aaaagaaaat gaaaagcaaa agttgaatct 60
 ctgcggacca ttctctggat gctgaatgtc ccactattac atctcggcat gacatttcat 120
 ggccagcagg ggaggaggcc cagtccctgaa agctgaacaa acgcccggca cacaggcctg 180
 cctgcgccct cgtagtctct ctggacttat gaataaaaga tggaggtttt gtctctgttg 240
 tttccctggt accctgtaag aataacaact tggtgctttt tgacatttta acttactttg 300
 aaaaatgacc aatattaact ttacatgtct tggcccttaa atctggagtg gggtaaaatg 360
 aaagaaacaa aagccatgta attangnaga agataataat tcaaggtaaa ctaatgaact 420
 gnctgnaccg actttattaa aanatggngg gacatgccat cccnaactaa aagnttaaac 480
 ctgacttggg ggaaccttgg gc 502

<210> 229
 <211> 228
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(228)
 <223> n = A,T,C or G

<400> 229
 gagacactnc ggaaggcnca gaagatagaa cacagagggc naggccatgt gaanacagat 60
 actgaaattg gagtgatgca gncacanncc aaggaatgcc tggagccacc aaaagntggg 120
 agangcanga natagactct cttctatagc ctgtggagct ctggtaatac cttgnttttg 180
 gatttctgcc ctccagaacc atgacagaat aaagtctctg cttaagcc 228

<210> 230
 <211> 395
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(395)
 <223> n = A,T,C or G

<400> 230
 ctccttctnc aaaaagtggg atccaagttg tctacccttc acaactgaac tggctacatg 60
 acctgctttg ttcgaactgg ctgcatgact tgctttgttc aaccaaagtc tgcagaagtg 120
 acggtgcaac acttccaaac ttaagaggct ttgcatgctt ccatccctgc tcttgatttt 180
 gagccacccc tgtcacacca gtcaataagc tggctagctg aaaaacgtat aagtgagcct 240
 gtgccaggcc agccagtgtt agctgacttt tcacctaaact gcagacacat gtgcaaaccc 300
 aacccaaata agccaagcct gacccagctc aacagaacta tcagggtgacc tatagacata 360
 cgaacaataa taataaaaca aaacctaagc cactc 395

<210> 231
 <211> 178
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(178)
 <223> n = A,T,C or G

<400> 231
 gtttcccaaa ggatccaaaa aactgagagg gaagagattt ggggaagatg tcacttttcc 60
 tcatctgact ttgccttgga gtcagatggg agaatgactc ctggagaaca cttagccttt 120
 tccagctttc cccaanaaag gctggcccag ggaggcttct ataaaccttc tccctatg 178

<210> 232
 <211> 299
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(299)
 <223> n = A,T,C or G

<400> 232
 ctcaccagag acctcaaata cttacctgga ggtcaaaaaa cttgctgtag cgccgggtaaa 60
 tggcctcngt ggagccngtg gaccacgtga cccggatgat gtacacctgc gggagcaaca 120
 aaangagatg ggtgttaaca ccagaagggtg gtctcccaat ctctgggacc cagggggagc 180
 ncaagactca nagtcanaaa gacgtgggtt tcaaccttag ctctgccaat gactggctgg 240
 acaagttgct tgctgtaagc ctcactctcc tcttcaataa aatgagtgtg ataaccccc 299

<210> 233
 <211> 137

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(137)
<223> n = A,T,C or G

<400> 233
gngaggatgc naaganaaaa ggtggctgnc tгнаaccagg gagggagaan ccttcccagg 60
gaccaatcta gcttgaactt ttgactttgg acttcaacct ccagtattgn aaagaaataa 120
atatgttttc aaaagtc 137

<210> 234
<211> 216
<212> DNA
<213> Homo sapiens

<400> 234
agatatgggc tcactatggt caagtctaag actcaaactc caggactcaa accatcctcc 60
cacctcattc tctcaagtag ctgagactac agggatcgaa agatgaagaa ctcttggtga 120
agctcataac tccctaatta cttattatta acagtgaaaa tctgattttc aaagttgttt 180
aatggtcatg caataaagca atgtaagacg actgcc 216

<210> 235
<211> 281
<212> DNA
<213> Homo sapiens

<400> 235
gtctttggac ccagattgga actataccat tggctctcct gggtttcaag cttgcttgct 60
gactgcagat cttgggactt ctcagcctcc ataattatgg gtgagaagca ggagctcaga 120
gaaggtaaaa gcatcaaaa caccacagca acaaagattt ctcaggaaat tataaatgct 180
gagaacagtc ttgttttcct tgcgttggca ggtgactcac tgcatagata tgatcatctt 240
cagagcctca ttataggttt agcaattaca ttttaaaaat t 281

<210> 236
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(491)
<223> n = A,T,C or G

<400> 236
cttgctagaa gagcactgga gatagagtcg gatacgcttt aaaggacaag ggaaaacagc 60
tcccagtgga tggtagacac atggcaaaaag gccaaagagta gaagcaccgt cattaggaaa 120
aggaatcagc caaggtccca ggcaagaaga ggtgaggcaa atggaggctc tgaggaaagt 180
ggctccaaag cctacatgat ggaagataac tctggaagag aaagagatga ccgttcctaa 240
gcttgatatag caaaaacttga gagaaggtaa cgaagatgtg acatctgaac tcagagaaat 300
ataacttcta tagaaaagaa acaaggcctt gcagctctat aaggaacagt aaataaatca 360
agtatgcaca caagaagtaa aaaaatatat ccnagtagaa aggaagcttt tcattgaaat 420
gnccccagaa ctcatgctct tgganggccg ggatngcaaa atcaagnntt tttttaaaaa 480
ctcctaccg g 491

<210> 237
<211> 199
<212> DNA
<213> Homo sapiens

<400> 237

```

aggataaaaa agaagtaaga aaatagagtc tctgaatata gatctttcaa ctgaaaaact 60
gggctgtgaa gcttttggac tcgaagtaca gcctttcctg agtctccagc gcactggcct 120
ccccccatca gattttggac tctccaagct tccacaagca caggagccaa ttccttaaaa 180
taaattctgtt tctatatcc                                     199

```

```

<210> 238
<211> 282
<212> DNA
<213> Homo sapiens

```

```

<400> 238
cccccaagga ctgggatcaa tattggaaac ctgtgcttta gttcttccac ctctgctgct 60
gctatgctgt gtgacctcag gactgggccc actgggagca ccatgtggag aacagagaca 120
aactggagtg ccttggggag gaaggaggag agcacagtct ctgagtcagc catgaggcag 180
agcaaatata agtgggtcatg caggaagaag agtgctgggt ctgcgggggc ctaagaggga 240
gatgtacggg ggggtgtgctt tgttcaatat gacaacacta cc                282

```

```

<210> 239
<211> 206
<212> DNA
<213> Homo sapiens

```

```

<400> 239
attgagcacc tgagagtctc aagtaacaca cctgggtttgg ctgctttgct gaagacactc 60
cgtacattgt gacttggtgc tctcaccatc aacaggaatt gggctgtgca agcaattctg 120
aaagaagtgt tgtctactgc tgtgaaagtc atcaacttta tcagacccca gtcctgacct 180
cagccttttc aagaaatddd gtctag                                     206

```

```

<210> 240
<211> 472
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G

```

```

<400> 240
cacttggcac tgtacnaaac accttcatat ataccctgtc accctgactg agcaggatcg 60
ctcagttcca ttttacagga tgaggtgaag acttttcaaa gccagagctc taccctgata 120
gcacaccgtc aggatgttca ggaagagcct catgggttat tacagctcag gatgcatcca 180
gacactgtct ccatggcctg cggagctgct ctctgaggac tcacttctact gccctcatt 240
tcccaggctc atggagatat actacctgtc acctctgggc ctggagggca gatggaggta 300
agatgcaaag gaagactgcg tcgtcaaagc agatgggaagc attccctaac acctgggcca 360
tcctgggtcc taacttaatt actaaagaat aagggagatt tcaaagnaaa atgnncagac 420
atgtgnttat ttgaacataa aactgggggc ccnccaccag tatttttggtta ac        472

```

```

<210> 241
<211> 283
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(283)
<223> n = A,T,C or G

```

```

<400> 241
ccttgcaaat angtgatttc ctgccagtc ctgcctctgt gaccaacctt gattgttcaa 60
agtatagctc tgcaagcagt ggctacggac agtttccaac atgcaagttc atctccgacc 120
ccacttcata attcctcctg cccccagcac tcctggatgc tatgctgaat tgttttggtta 180
ccttttggtt gtgagccttc ttaaaccttt ctttcttcta ctttattatt atcattgtat 240

```

tataaaaagca atagatgctc attacttttaa aaaatgtaaa agc

283

<210> 242
<211> 193
<212> DNA
<213> Homo sapiens

<400> 242
gcactgtctt cataagtcca caggtctcaa actccagcat ctcagaatga aaggattcac 60
aagtgtcac aagaggcttg gctgccaggg gaagctccga cctgaagatt tgaactaatg 120
agggactata aaggccaaga ccttgttctt gccatttttag agattcagaa tataatctac 180
aaagttagag att 193

<210> 243
<211> 501
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (501)
<223> n = A,T,C or G

<400> 243
cctgcagagg tcanggagag agcccgatgg cggctttaat gaagaggaag gaggaaagga 60
cgcagctttt tttaccccc ggcttaattt actccgtatt cggcttaact tactccctat 120
tctaccctcc ggtcttcaag ttcccttaag ctcggtggcc tgttaccag taaaactaca 180
aggaaatggt ctgtgtggtg aattttgaag ctgtccacag tacagatact ccagtgtctg 240
cccttccaga aaagagctgg acctaaaggg tctctctgtc tcacgtgcag actcccaggg 300
cgggattaaa aaggcaaaaa tccnnngttt cntngcaaat ccnnggnant nngggnnnga 360
nntnntnntg ccncnntttg ggangaang aancanaatt aatttngggg cntntaaagg 420
tttatttata aangggcttn gggnttctat tttattgggg aanaaatncc ggganttaaa 480
aatntaaaga ccccttcca a 501

<210> 244
<211> 327
<212> DNA
<213> Homo sapiens

<400> 244
gttcttctta acaagaagct acgaagttct tattcagaaa aacggaacac gacatcacac 60
ccacgtgaaa aaaacgcttt taagaggcca agtcactttc acctcccacc aacttgccaa 120
aggctgaaag caggcggaca cgcccccaag cgctcttctc cgatttcatt ggttgccccg 180
gcctgtctct cattaggtct ctctcactgg tcagcaatgc cgctttcaca gccaatctc 240
agaaccaatc atctccaact attgccccgc ctctccacca cgtgagtggc atagggtgcca 300
accaataaaa aaagaaaata aggatgt 327

<210> 245
<211> 100
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (100)
<223> n = A,T,C or G

<400> 245
gcangggcnt ccngnggttc aagggtacaa taanctgcga ncgtgccnct ganttctacc 60
tgggatgaca gagtgggacc ctgtgccaca aagagagacc 100

<210> 246
<211> 505

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(505)
<223> n = A,T,C or G

<400> 246
aaggctgtct cctgcgagga ccagaagttg agccaaggca cgtggaactt acaatagcag 60
atggtaagaa ccagggcaga aggagaactc ctgaagcctc cgaaggaagg aaatcattac 120
agggccctac agaagtaggt catgtgctac agctgtcat agtttaagag gaagaaacat 180
gggatctcaa acctggaaca cgactctttc aaaatgcctg tgagcaacc cagaaaaaca 240
tcctctgag gcttatctaa taaccatgat ctctaactgt ctcaatgtgt gctcatgttt 300
ccttaagaag tttgcaccca cttctcagag ctaacgagat gccgaaacag aacacagaaa 360
aaagtaatga aggagattta ataagntgng ntaaagctna tatgggccat taaggggcng 420
gcttttttta aaacaanggg gnggaaccgt tcccctnttt tttgngggaa aagnnttttc 480
nggggcangg acctggaaac cattc 505

<210> 247
<211> 139
<212> DNA
<213> Homo sapiens

<400> 247
ataaaatctc ctggcagaga aaatggacag tcgttccata ccatatgtct tctcagcttc 60
aaaatcaaca acaacaacaa caacaaaaaa ccccaaaact tccatcatct gcagaagtca 120
aataaaactt tcaaacttg 139

<210> 248
<211> 261
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(261)
<223> n = A,T,C or G

<400> 248
ttgtaaatta tgctcatgaa aagagacccc agcatctttc aaactgangg ttaaccttat 60
tatcaggata atcaccaatt cacaggaagt tgcaaggatg gtatggagag cttccattta 120
ttcctcggtt ttccccaatg attacacctc acataactgt acctcaggaa actgaagctg 180
gtacagtgtg tgtgtatagt tccatgccat ttcgtcttaa gtgtagatct ccaatcaaat 240
aaagaaatat cctgtcacca c 261

<210> 249
<211> 241
<212> DNA
<213> Homo sapiens

<400> 249
gtgggggtctt tcagtatgta caaacataca tgattcagga taaaagatgg atcgtacccg 60
ttctcaccac agaaaagtaa ccggagactc ttctaagaaa tcgagaaaag aacgcccttt 120
ctcctgccct cctgtctaaa gcgcaacata ataatcgaat ctcccaagct tcttaggggtg 180
ctgagtgttt taatccacca gccctcttca actagttaat aaatcctttc cagaccgaga 240
g 241

<210> 250
<211> 505
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(505)
 <223> n = A,T,C or G

<400> 250
 gnaanctgnt agnncatgcc ngacaccttn tctccatgcc tgcncctttct gttccaagcc 60
 atntgggtgga agcaatccaa ttgcctgcag aatcatccga aagcatcact gggaagaagc 120
 tgggtggaact aagaagcaat tcttttagcct gacagccagt ctgttttttag tattttctaaa 180
 catgaaatca tctcaggaga agccaagggc tgctcagggtg atttgcctga ggtcctacaa 240
 ctcatcactg actgtgtttg gaggaaggaa gtaattaact ataaatgtga ttataagggt 300
 ggggccttaa tctgatagga ccagtgtcct tataagaaca ggaagtgtgt gccgttcact 360
 gaggaaaagc catgcaagaa cacaagaaa angcggctgt cttgcaacct ngaagaaaan 420
 ctttgccctaa aactaatcct gccgggcatn ttaatcttgg naattccagc ctccaaacag 480
 nganaaataa aggctggtgg ttatg 505

<210> 251
 <211> 90
 <212> DNA
 <213> Homo sapiens

<400> 251
 agaaacaaat acatcaacgg agacaacttt ggaaacaatg gaaacaaaga accaaaaatg 60
 ggcttgcaca taaataaaaa ctccatatac 90

<210> 252
 <211> 589
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(589)
 <223> n = A,T,C or G

<400> 252
 aagaaggggg tttccgccat gggtngccca ggctggtctc aagctcctga actcaagnga 60
 tcttcccncc taagcctccc aaaagnctg gggattacag gcatgagcca cgactcccag 120
 cctgaaatat annattttta tcttcagctt gcattttgtt ctaaacaact tgttttcaaa 180
 taagaaccgg gcagaaccaa gtttaagcca ccatttgttn ggaggccaga atcaatttta 240
 ttgggtggtg gttcaaaaatn gggaactggn actaagcctt ccttcttccc ctccatcctt 300
 cctagcccat tgnngcangg gggaaaatttt tctcnttttt tggngggggg taaaacaact 360
 tctttccctc attctgggaa ttngcccttc aacctaattg ttggacaaac cgaaaaaaat 420
 ttcaaaggcc ccccaaaaaa taagcaaggc aaggccttacc attaatncct tttggcatgg 480
 aacaangggg gaaaattttt ttttggcctt aaanggnntn gggggcctag ccaccttgaa 540
 aaaacaanna nggcccggtt tnacctttcc gaatcntggg gggcttcca 589

<210> 253
 <211> 498
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(498)
 <223> n = A,T,C or G

<400> 253
 gttccaggcc atcaagctac aaanggactt accaatggtg ccttnaaaag agctcaacgt 60
 gcggnntntn ttgngacat cacgggnccn ananaaaatg gnttaattta tgtaacaaat 120
 cccctctgga ggacaccana actgnnnggc cccttntttg ccctnatccg cngaaagnag 180
 cccgaatgac cactncccag gtnccaacag cananggggg ggcenntcna aaaacnagga 240
 ctgagaggag ggaccccccg gctttctggg tctcgcnggg gctcacaaaa gttgtgaaan 300

```

tcattttat  tcttgcntca  agacntttctt  ntgtgctggg  gngaanaaaa  attgaaacat  360
atgcttttaa  aaattctaac  aaccacggag  ttgngcattg  tgttttnttn  cccaagaaa  420
agcttttaac  agnggaaaaa  tttgntnta  agcttncctg  ggggctctnt  tcctggggtn  480
cctttccttt  tccctgaa

```

```

<210> 254
<211> 303
<212> DNA
<213> Homo sapiens

```

```

<400> 254
ggccttcattg  gaaactgctc  tgggtgtcaca  gaaatatatc  caaggatgga  gtgtgtacgt  60
gtacaagctc  gtctgaaaag  agttggccttg  caaatgggag  aagctgtcca  agaagtattc  120
tcacaatgaa  ataatcattt  tattttgtcc  ataccgacaa  acaaccagtc  aattcagctg  180
gaggaaaaaa  caaacaacaa  aacaaacatt  ttattttcca  aatttgtaat  gagttcgctt  240
aattattttt  ggttttattgt  gttatctaca  tagttgaatc  ttaaactctga  attttcataa  300
ccg

```

```

<210> 255
<211> 441
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(441)
<223> n = A,T,C or G

```

```

<400> 255
caggatggcc  tagatttcct  tacggcatcg  aggacgagat  ccaagacagc  aaaagcagac  60
tcngccaagc  ctcttaatgg  caaggccctg  aagcagcaga  gcttcacttc  tgccacctcc  120
tattggttaa  agcctgtcac  aaagcctgtc  gagattcaga  aaaagagaga  tagaaccac  180
ctcctgatag  aaaaaagctg  cacatgcata  aagaaaggag  aggatttgac  agctatcttt  240
gaagagtatc  tgccccatta  agccatggga  tattttcccc  ataaaagaaa  ggactatgat  300
ctggattgta  gaaactgata  tatagacatg  aatctgaact  taagagaatt  tgactaatc  360
catctgntca  aactggcatc  actcacacat  atttctgnaa  ggattcactc  ttccatgggt  420
agcctcaata  agaattcatg  g

```

```

<210> 256
<211> 431
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(431)
<223> n = A,T,C or G

```

```

<400> 256
aaaaatcctg  cctccngtgc  tcctgagtcn  ctncntngcc  tncaggnggg  tcctggcnca  60
aagggggggg  ggcataccag  cttaaagaac  tgtgttcnnt  tgntgcaac  cctgnagtac  120
anngnatnng  aagncceatg  ctgctctgan  ggcgtcggaa  tatngancg  atccttgctt  180
cctactanac  tctgggtgcag  ggctgcanat  ccacaaagcc  caagctgcag  caagtccgaa  240
ggcgcnccgc  anggggagtt  ccttctcagg  agactgnggc  ttggtcttta  cggccttcga  300
cagaatggat  gaagcccccc  cccctntgg  anggtaaccc  gctgcattca  aaggcnaccg  360
antnaactat  taatcctatc  tnaaaaacng  gcttccanaa  acaaccacac  ttgtgtttga  420
acaaaaactg  g

```

```

<210> 257
<211> 332
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (1)...(332)
 <223> n = A,T,C or G

<400> 257
 gagcctntnt ccttggaaca tgggcttcac tggtcatcac agaaacctcc tgaaggaccc 60
 atctactctt caatcaacag ctggtgccct acgattctct gaatcccttg cctggcctca 120
 aaatccctca cctcatggct tccaccagtc ctggactact gtgttcctta cacaacctta 180
 accaagcccc cacattgaca caccacactt aaagagnact gctaggcttc agaaaaccca 240
 accttgcttc ctctctccca gacaggccaa agccctctgg aatcagcgcc ctcccttcgg 300
 caagtgaagta ataaactcag ctttgcctta cc 332

<210> 258
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 258
 gtgccaatat cggtcagaga acaggatttc agtggcagag ttgttgctat actgttatct 60
 cttcagaacg gaggcacaag gagagatgaa tgccacatcg caaggagcaa aggagagaga 120
 gagaagaaaa tgggtgtcagg tggcatgttg gatgtgattt ttgttttagt agagattgag 180
 atgactgtaa attgttttagc tgattccttc ggtctgcaaa gatacatttg tgttggtgct 240
 gatggttctt gactaatcct gtttcaatta caaattggtt atgtttttca aataaaactt 300
 ctggcactt 309

<210> 259
 <211> 427
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(427)
 <223> n = A,T,C or G

<400> 259
 gctttggaag gagtttaaac cttaagctta ccttttcaat catccactac cccaggagaca 60
 gaaggtgggg aaaactcaaa ggcacangct tgtactgaga agttttgagc aatggagaag 120
 aaagtgggag cttctgactg accttagccc accacagtca ggctncaaga ngggagatgg 180
 cctgggntna tggctgcctt tcntctgggtg nnccttacct tttgggaaaa cccccanggn 240
 nagaaaagtc ttcaagtctt gtcagactgg gaagtccecca actcccaacc tnaggaagca 300
 gcccttggaangagaagga tgagattttc caaagctatc tcttaccact ttccttnccc 360
 catctcattc cntccatnta ttggggagaa gncctctnaa gttnggcctg angcttctga 420
 gggattg 427

<210> 260
 <211> 478
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(478)
 <223> n = A,T,C or G

<400> 260
 acatggaaac tgaggaacag agagatcaca tatcttgac aaggtcctac agttggagag 60
 agaatgacta tttcaacaat ggcaaatagg gttcatcatg tatgcacact ctgattgctt 120
 tgtggtggct tcctggatca ctgggttgaa aaagaccag gctctgtagg aggtgggtga 180
 ttaatgatgt ctgccattca gaacaaagat gtagcagcag gtgtacctca tttttgctgt 240
 ctctggacta ttccattgaa gccttttagtt cctggattat ccaattagcc ctagctttcc 300
 tggcagtgtg atctccctct gccttaatat cagccctcag ccctcgggat tcttctctct 360

```

gatatccaca ctcattgcct ttgctttctct gngctcccta aaacaacgac ttttcttccc 420
caagccnaat tggaantaan tctacctcc agnngnganac tggccccggt cggcagcc 478

<210> 261
<211> 412
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(412)
<223> n = A,T,C or G

<400> 261
gaaagtagcc aaatcacctc cctggctctg gaaggggtgtg gaagtgggtgg agtaagagtc 60
ccagcccaga taagggatca ccaccagaag atgaagaaga tggatatgtcc agagatccaa 120
aggcaatgcg ggcctcacag tagatgccag cacacagtgg tgacaaacgc ttggacaaaa 180
cccatcaatc tcatgaacag cagagaggag aaacattgag tgaggatcag cagcctccta 240
gagcactagg ctctgcatc agtctcctgc aacttagata ccaccttgag gtcgggggtg 300
gtgacagggt tcatgtgcaa ttgatgagtt tgtttcaatc taaaaaaaaat taggtggggc 360
ccagaatgaa ctaagatgat gtttttctgt cttgganggg accgggcctt ga 412

<210> 262
<211> 389
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(389)
<223> n = A,T,C or G

<400> 262
gctccagacc tgtgtgtgca ngtgcctcc tggatgcccc tcggttgtct aatggacatc 60
tcaaacctca catgtctcca cttgaaaagg atgagtttca tggaaacctga gcatgcccac 120
atgcccttac tcccttggtg gccccacac cgtgcctgct cttccttcag ttgatcaggt 180
gaaaacctca gagtcacttt taacacctcc atttctctcc tgtgccaaca accaaattat 240
atccaaaatc tgaccacttc tcaccacttc cacatggact gctgtgttca agccaccacc 300
atctcttgcc tgcattagtc cagcagtcct ctanctgaca tggggactga gattcagaat 360
atcttggtatc aaaggcttta tcctgaat 389

<210> 263
<211> 298
<212> DNA
<213> Homo sapiens

<400> 263
aatgttaacc acaggacgtt ccagctgtga ctcattgcaa ctactgacaa gcaagctgga 60
gtggccctgc ttttagagag cctgaagatc tactcagagt gaacaatact tgaagttcta 120
attgagttac agaaaggaaa ctagtaaaaa ctaagaaaga ttgcgattct caccttgaat 180
atgcagatct aattttctata actgtgttta ggggtatatt tctaaattac taaaataatg 240
cttacatttt caaattggcc attaaatata tcttcagatg cggagatgtg tatattac 298

<210> 264
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(470)
<223> n = A,T,C or G

```

```

<400> 264
acagagctct gcaggcacag ctgaggacgg cctctctttg ggteccccag actcatccct 60
gggagctcac aactggcaga gggagacaag ggcgctccaa gcagcagccg tgggggagtg 120
gtgatctcca gcttcaactg ccggggccgtg aaaacaggaa ccagccctcc aggccaccgt 180
ttctctgaaa ccaaagctca gcaaccgaaa aaggatcaaa aaagcagatg gtggaggtgg 240
agcgaggcag ctgtgcttct cagtgccttc tgccgtcttc agcccatctt ctggcacaag 300
tgggtccaagc agcccaggac tccatggcag gccctaccct tgcaggtgaa ctgcctcggg 360
tctnccagcc tccacattca catatttcaa acagaaacac caccaacttn ctgggctnac 420
ccnttgggaa attccccaan gaaaacaaa ggggactcat atttgggcca 470

```

```

<210> 265
<211> 202
<212> DNA
<213> Homo sapiens

```

```

<400> 265
ctgaggaata acctacaagt ctacttgagg gaatccccag cattttcaac aggatgtcag 60
aatgaccttg ggctatgttg gcaaagcaca atgggaagaa gacaaccaat tgaagggtcaa 120
actaggcctt aaaaaaaatt gttcttctta aatgaaactt tatgtaagac ccaaacttcc 180
tttatgtaaa aataggatac cc 202

```

```

<210> 266
<211> 258
<212> DNA
<213> Homo sapiens

```

```

<400> 266
ttttccgtct gtccagctcc accactaaat agtgtcttta ttccgaggag ctacctgatt 60
tgggactcag tcttcctaca aggcacaaa agaacacctg gatgctccac gtgggtccaga 120
catggagcaa gtaaacccag ctctcgccac accgcacagt ctctcagcc tcctgtctcaa 180
tgtgctttca ttggaaatgc ttattgtaaa tgatgacact tttttaaaac caaaattcaa 240
ttaaattcaa tacatatt 258

```

```

<210> 267
<211> 320
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(320)
<223> n = A,T,C or G

```

```

<400> 267
gataataaaa catgaagtgg aagatcttct agaccagcac cttaaatttg cagatgagaa 60
agttggaacc cagaaaggct gagaggctca aggtctcaca actgtttatg ctcaactggg 120
aaatgaattt gtttctctgg cccatcaggt caacattctt tccactcagc tatgccgnct 180
cctacctcct gaaaagattc tagcaggacc ctctgatgaa aaggacctta tctttttata 240
tctgtgtgtt aaagcttttt tttaaaatca tcgcacgatt ttatgagtta agttatgtac 300
ataaacaat actattactt 320

```

```

<210> 268
<211> 498
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(498)
<223> n = A,T,C or G

```

```

<400> 268
gagcatgacc agcagactaa cgcagcaagc agatgatgct cctgatgaaa agggcagacc 60

```

```

cagttgagcc tgggctacgc tgacacagac tttgttgctc ttcatttggc aaagttcctc 120
ccagaatccc tgcaggcata caacagatgt tcagtaaaca ctcggttgat gagaactctg 180
ggaagacata gctgttcgac gaacaggcat cagaatttat catttgaaat tatcaactca 240
aaaattcttt ttttcctcat acatattctg cttatgtatc aaaaattatc ataagaaacc 300
aagatttctc agaacatgtg aggtcaaaat ggcttataat gtaaaagaag tggagtctca 360
atctatactc agtatctccc tctcttttat tcatacacat atggacactt gcacttctaa 420
gaaaaaatga atttttttaa actcattcat ttattaaatt gatatggatt aaaccangna 480
atattcataa catattct
498

```

```

<210> 269
<211> 342
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(342)
<223> n = A,T,C or G

```

```

<400> 269
cntctctgga gagcttncat ctgcaccatg agcccatgcc atcttctgac tcctggagct 60
acagtgaaga tatattttgt attaatgctt aacttcttca tttcagttgc cattgaggta 120
gcctaataac attcataagt aaatactgga ttttagtttg caatagaaaa accttccatg 180
taatataata tgtctataca attaataatt aattactttg ttaaaatatg tatctttaaa 240
taaataaaca ttggtagaga ccaaaaaaaaa aagaaaaaaaa aangggccacn gngggccaatt 300
cagctnggac ttaaccaggc tgaacttgnt caaaaggggg gg 342

```

```

<210> 270
<211> 159
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(159)
<223> n = A,T,C or G

```

```

<400> 270
ccagcattta tggatcttca gaggnntctc tctgtgataa ttctcatca aattaccaat 60
aagaaggata tgaaactaca gccccacaaa ggatgcctgg tgaccttcgg ccctgagatt 120
tacagtctgc ggaagcaata aagttcctct ccctctctt 159

```

```

<210> 271
<211> 521
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(521)
<223> n = A,T,C or G

```

```

<400> 271
ggcaccgcaa gacaacgtat ctccccctccc ctgtgcaatc agtcaaagaa catttagtca 60
acctgaactg ggagcacagc gctcctgggg ctggtgggca ttcaaaagag tgtggatcag 120
tgttaaaagt gcctcatgga gaaatggagg cctgaaagcg actctgaagg aggagtgggg 180
ctcagcaaac agcagacgag tttcaatcca agcaccatt acccccctaa cacacggcat 240
acgtgcatct catctcctcc tgtgtcgcta agaagctacc catatgtctg tcattaattc 300
tccagaatcc ttggacacac ccctctgcag agctttctaa cagaaatata agtctcagat 360
ttttttttta gttaaaattg agtgcagcac tcataccttt cttegagcat gaaccgtcaa 420
tcaacactgc ctcatgagct actgntctcc tgctctttaa aaagacaaan ctttatttct 480
ttgtagngat cncaaagngg ngggattnac ccggaaactt t 521

```

<210> 272
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 272
 agtttcactc tcagaggagg attttgttct tcaattgttg agtgatctct atcaccagtg 60
 actaaagcag atgttgaggc acagagagcc ataccccaaa atatgatgct tcggcatgct 120
 gactgctttg aaaattgaaa ggcctcagaa ataatcctca gtgccagggt ctccctctga 180
 cctcccccta cctccctttc tctctgatcc tgtctctccc aaagcacaga atgagctgtt 240
 ctctgaattc ctttatctac ctagaaactg gacccccaaa gaggaacaca atttgccctt 300
 gatcccttcc ctgaaatttc attaaccaga gaaaattaaa acttctatca caaggaagag 360
 actgaacatt aaacaccata gctacagccc agacaaactt cttcccaaac cattgtttgt 420
 tctctgcct gttaaattgc cagagaatca ttcacaagac 460

<210> 273
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 273
 ttgacaggaa ggcaatcatt cattcattca gcaagcaagc aagcaagcat ccacaatgag 60
 cctggatgcc acatggacca cgatcaccaa ggagatcgat aaatcccaca atgttgttcc 120
 ctgtcttcaa aaatttgtca agaagattga gatccactgc tgtaagatta cacagatgcc 180
 ctctcatcg tctatgacag gctataataa atcttgccag actt 224

<210> 274
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 274
 aggcgagaaa ctgtgggata agaggctgca gcaattgcat gagtagacco tgaaggatag 60
 aggtttgtta aaatggatgt tcagagaagg cctgacacaa gagggccact ccatttgtcc 120
 ccacggacct gggccggatc tctcaatttc acactgatgg agcctgaaaa tcaacaaaca 180
 agacggcaag aacagggaag acattgttct ctccaaagtg gacaatttgt gacaggccca 240
 ggaaggctgc ctgggcttta tagcttttcc agtggttcct aataaaccag gctttgtgtg 300
 agcctcgctc aagccatgcy gggccctgtc gtttcttt 338

<210> 275
 <211> 158
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(158)
 <223> n = A,T,C or G

<400> 275
 tcccagggtg atccaccagc tccgaagaga cagcgaccan gcaagaacgg gccataacga 60
 cgatggcagc tttgtcaaaa agggggatat gtagggaana gagagatccg actgttactg 120
 tgtctacata gaaaaggaag acataagaaa ctccctttt 158

<210> 276
 <211> 144
 <212> DNA
 <213> Homo sapiens

<400> 276
 acttcagttg acccaggcaa ctgaaaccga ggaagcaaaa ccatggaccg tggaaagaag 60
 catcatatag gactactgta ttatgtatta taggtggctg tggatatcaac atacttagtt 120
 gataataaaa atgtttgcaa agtc 144

<210> 277
 <211> 561
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(561)
 <223> n = A,T,C or G

```
<400> 277
gagcccatca tggcgacgcc ccctaagcgg cgggcgnggg aggccacggg gganaaangg 60
ctnggctnca aaactttant antgancngn ctgcacggga ctggcgaaan ggggctgaac 120
catcgaaaca ggggtattatg aagccagctg ggccaaatac cttcaactgg agaaaatggg 180
catttgagcc gaacttncag ggaaagctaa agcactcggg aagttattat atgccagggtg 240
ggattttggg cctggtaaac tttcttcggt tggacacagt gggccccaa gatacctttc 300
acgccatcta tgtggccccct ggggaaaaat ggtttttttc ctggagggtg acacctgggc 360
aagaaagcct tctaaagttt catttgattc gtaaagaact ctctctcac aagaagcttc 420
aagcaaacag ccctcaccca agggactcca tgaaatatca aaagcccata tccacatgtt 480
gctagagggg cttaaaaaac tacaaagggc tggagaaatt tncaaaaaaa actcaacatt 540
ggcttttttt cccctacttc a                                     561
```

<210> 278
 <211> 338
 <212> DNA
 <213> Homo sapiens

```
<400> 278
tgtaagctcc accagagcag cagactctca taaaacctca tgggatgaat gaaaggagtg 60
tcatccctta agacattggc aacaaaagca tagcctgaca tattctacta caagtgcctg 120
cagtaaccta tgcagagagg agcaaatgaa ctcccacagg aagggtggacg atccctgagc 180
cagagataac tggaaactctg gcagtttgag tggacactca gtcacacact cacacactca 240
ctcacagcgt tatgcaattc caaaaattat gtgtttgggt ccaggaagat acatttttcc 300
cctctaagtc caaaataaag atagaaatgc atatatct                                     338
```

<210> 279
 <211> 271
 <212> DNA
 <213> Homo sapiens

```
<400> 279
gttcccagta gctgcagcag tgaaagacag tgattggctc cagtgcctcc agaaggattt 60
gggctgaagc caggggaaca gaaccagaag aggattccct ttccagagac catcaggctc 120
ctcatgtctt gtctctctc tctcccctcg tggtyggctca ggatttcagt atggctgagc 180
agcccatagg taggcctcaa cacttggtgt caccacttca gtctctatat gtttggccct 240
tgtgtaaaat aaacaaaaac ttgggcaacc c                                     271
```

<210> 280
 <211> 490
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(490)
 <223> n = A,T,C or G

```
<400> 280
gagctgggtca gctctgacct ggagtgtgtc taccctgacc gtgtgacacc gggatcaaga 60
ccctctcctg ggggtcttgag gacgccacat gtgggcgttg ctctaaagag cgcttgctcc 120
taagcctcct gcacatggaa cccaccatg gaatctgctt cccaggaact caccctggga 180
ccagccccctc tgagactcaa gtcaacattt ggtcctaggg ctgcaaagag gaggtgctaa 240
gaggccaaaag gctacttcca cctggagaac gggccccgcg tgccagctcc cccaaggcct 300
```

```

ggccaggatg ctctgctcgg aggcctgtcc tgacttcttc tgctcattgc acctgaaatt 360
acctaaccac cacttttctt cctccccacc ttccacaaat acttattgag catctgctag 420
gtgccaaagt actggtctgc acaatgggca ttacngggcc tgaaagaaat taaacnggaa 480
ccttcttggt                                     490

```

```

<210> 281
<211> 512
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(512)
<223> n = A,T,C or G

```

```

<400> 281
gagggtgattc atcccaccag tgctttcttct gcagacagta aaatatgggtc ccagtgacca 60
tctcaggtgc catgcttcca gcattttatc agacaaggct gaagacagca gacattaaac 120
ttcagttgtg tgctccacag aacattagct gtcttcatca ttactttgca tctttcagtg 180
ataggctgct tgacatgtta ggaacctgaa aatgatccca tcttgaccga atctcaaagt 240
cccttcctga gcagcactga tgaaacagat ggagcacctg gatgttatct gctttggatc 300
tggttctcag gaggaggagg agcagaaggc tgggcacaac ggtgtttgag gttctcaact 360
gccccagaa agaagggttg acttgattta cattgacttc aacttgatta tcttgatcta 420
cttaactggc ttttcggctt ttatgcttca agccnccggc angantgggt tccttntggt 480
caacttgcan gnccttttgac ttgggattta ac                                     512

```

```

<210> 282
<211> 393
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

```

```

<400> 282
gctgtaagct ccttggaggc aaggattctg tctgcttcac ctctaaagct tcagcatggc 60
atgtgccctg caaatggcag tgccagtgga catatgctag atgagtggat gaaggacat 120
cccacatcag ctcacgtgg agtatgcagc tcagtcctcc cgcctctcag ggacaacttg 180
gatcttcacc gttcttcgcc actaagaatt cnagtcatct acattcagag ggaagctgag 240
caanctggct cctgcccaca ctggaaaatt tctctgccta aaccagcttc cctaagccga 300
ggggagagtc caagatcccg aagatggcag ggccgtgcag gctcctggga ttaagacaca 360
aacaagccct gttctcaggc tgacagtaaa tgg                                     393

```

```

<210> 283
<211> 139
<212> DNA
<213> Homo sapiens

```

```

<400> 283
ttactcatgt cagtaagcgt ttactgagta tctcctgcat cctgggcact tctccactcc 60
aatgtgacag cagtgaatca aacgacagct agccctgccc gcaggcactt gcattccaga 120
gagaggagac aaagaatac                                     139

```

```

<210> 284
<211> 482
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(482)

```

<223> n = A,T,C or G

```
<400> 284
gtccttgatc tctgtggctg tgagacgatg aatctagggt gtcaccccag acaacgaggc 60
tgcttcaaaa tcccaaagtc caaaggagga ctgcttcata agggaaggat tgtttatagg 120
ttggatatac gtgcaaaatt aagtatagga ccaaaaacag ccaagacatt tgaaagttgg 180
aaagttgatg gtaatggttt cctgggattg gaaggcagac ctctccgct gatgagcaaa 240
taatgaggct gtgctatgat caaggcattg tgaccctgt gaccacacg tacacatcca 300
gaaggtctcc tggagccaga aagtctggga caacaggaaa accacaaaag aagaaaaaca 360
gctcctgtct tagctgatta gccaaccttg cgaccttcta ccattggaac atgctctacc 420
cttacttant aatncacttt cnggaccntg ggctntgtga cccctcccc ttgggataat 480
aa
```

<210> 285

<211> 241

<212> DNA

<213> Homo sapiens

```
<400> 285
cctccatgct ctgaggaacc ccaagcagct catggagagg cccacatgga ggggaagagg 60
agctcccagc cagcattcaa cttgtcagta acggaagtga accatcttga aaggggatct 120
tccagtctcc aatcaagccc ccagcccaca ctgcttgga cagagaagcc gtccatgctg 180
agccctattc aaattataga ttaatgagcc aaataaatga ttgttgctgt tttaagccac 240
t
```

<210> 286

<211> 222

<212> DNA

<213> Homo sapiens

```
<400> 286
gaagtgggaa tgatgcatat tcaacgacgc ctacaaaaat tacttcagat tgtagtctc 60
agaaaccac tggtggcctg aggggacatg caaaaagaag aggaacagga gcagagatgg 120
caaattatta aggtttcaag accttaaaag agacaatcaa agtattcaga ttctcagtaa 180
aattaccaga ttaaatcaaa taaaacccca ccttttttcc ac
```

<210> 287

<211> 280

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(280)

<223> n = A,T,C or G

```
<400> 287
attaaatcaa gattatgtct gacaaccctc tcaaaatgat aaaaactaat ctgcagagaa 60
aactggctgc agaggaaccg gctgcagagg aaccagctgc ttcctcctcg gaacatgaag 120
aggtgaacag agagatgaag cctntttntc ctccctcacg tttntgaang atcaaaatca 180
agggcancng ggagaaagaa taacaaaacc aacaaaactgg aggtcaagga gagntttttt 240
ctttttttta cttttctgcc ttttccattt ttaataaaca
```

<210> 288

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(435)

<223> n = A,T,C or G

```

<400> 288
ggcttatctc cttgttgtat ccagaatcat atgacaagca agagtcctag aatattttat 60
ctacctaatc atcccactgc cttattccag aaagaatcta aggaggaatt tttatttctt 120
cagtcaaaag atgcaggaaa gacatcctac ctcttgggaag aatcattgga ctggacatcc 180
aaacacctga gtcctagcct tgagtctgcc tctcacagca gtatgaccct gggcaagtcc 240
ttgtggaata agggcatgga cagaatgatg tcagagggtc cttctagctc taatattcta 300
cagtttcctt ttagttcaaa tttaaagaca aaatgtctaa cagtgggtct tgtttgttat 360
gaccagtgtt gncaaaagag aagttgtaca aagttttttt tgcctgnttt tcatgnatgg 420
gggagggggg gggat                                     435

```

<210> 289

<211> 166

<212> DNA

<213> Homo sapiens

```

<400> 289
caaacaggaa caaaggaaca aagtgagagt ggagactgct gagtcatacc taggagaaga 60
ctgcaactca cccagggagt gagtcttcac cctaactcac cggggaactg gaccgaccca 120
gacaatttgt taagtctctg ttccattaaa cataattctg agtctg                                     166

```

<210> 290

<211> 507

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(507)

<223> n = A,T,C or G

```

<400> 290
gaatttatgt tgatgcagtt aactccttgg gccaaacagc actttttggt gcggcgttat 60
tgggccttag gaaattcggt gatgttctgg tggattatgg atcagatcca aatcaaatgg 120
gagccctgtg ttgcacgctg agccccgctc catggaatgc aggagcattg ccatggacat 180
caattgtact catctccctc cccagccgct gctttgatgg gagcaccctc gtccatgcag 240
cagcattttc gggcaatcag tggatcctta gcaaaactgct ggatgcagga ggtgacctgc 300
gactccacga tgagaggggt caaaaccoga agacttgggc tttgacagca ggaaaggagc 360
gtagcaccca gatagtggag ttcatgcagc gctgtgcctc acacatgcag gccatcattc 420
aaggcttntn tttccaactt cttgaaaaaa aaaaactccc cgcagggggt tgtttacagc 480
ccgtcctggn ggggttgggt tctttttt                                     507

```

<210> 291

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(192)

<223> n = A,T,C or G

```

<400> 291
tgaatcgaac gccacactca ggtgagntga gaaaccctta ccgcgcgcac tgcaatgccc 60
tccccctcac tctgcacct ccacccccct gaaattctgc ccttaggcta cggggcgctc 120
tcctttcgca cctccccca tgctgccaag ttgtagctat agctacaaat aaaaaaaaaa 180
cttgttttcc ag                                     192

```

<210> 292

<211> 408

<212> DNA

<213> Homo sapiens

<400> 292

```

gtggtagaag tctgtcttct ccccggtgctc ctaggaagac cttcatgtcc tccttgacca 60
acaggggatg gtggaagtga ctctgtgtga cttgtgagac aagattctaa aagtcatgca 120
cttctgcctt gttctcttgg gataactgct cttggaaccc agccattgca gtgaggaagt 180
caaatagctc catggacatg ccatgtgtag gtgttctggc aaacagcccc aggtgaggtt 240
ccaactgaca gccaacgtca accacctgac gagaatgagt cttccagcct tgatctgctg 300
agtcatcgcc aactccagcc aatactgtaa ggagcaaaga tgagctgttc tgccaattgt 360
agcccaaatt gcagattttt gaataaaata aatgactgtt atcattgt 408

```

```

<210> 293
<211> 316
<212> DNA
<213> Homo sapiens

```

```

<400> 293
aagtctcagc catgaaccta gcagtgaagg aggaaaacat cttatgtctt gttctctaca 60
acacaaagat gaacataaag aagaaacaca gactctggcc tggagaagtt cagtgtcttg 120
tgggggagac tggataaata atttaaaaca tttatttaac acataattac agtgcaatat 180
gataagtaca atagctaaag tgtgggcaaa gtgtcgcagg aacaggaata aagaggagac 240
aacttcacaa aaaatcttac atacttaacc ttttcccgac attttgacct gaaaataaat 300
cagcataaca actcac 316

```

```

<210> 294
<211> 149
<212> DNA
<213> Homo sapiens

```

```

<400> 294
gctggtagca gaatggctgt tggtattcca agaggccctc ccggactata tcccagtgtg 60
tatagtccag tgaaacgacg ggaaaactat gaccatgaag caaatctgga gcaccacctg 120
atTTTTtaag gtagatttta ccgaaacac 149

```

```

<210> 295
<211> 233
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(233)
<223> n = A,T,C or G

```

```

<400> 295
gaaaagtgtg ctggctcctg tcctggatca actcagaaaa tgaaacacat cggattctgt 60
ccaggccggg cacagcaacc tggcccatnc atgtggagcc tgcagtgaca acttccgcta 120
tctgcacaaa actggaggga ggctgggggt gctccaagta taagtttcct catcancaaa 180
ccggaagag aaagaccgac ctggaggctg gttatgggga taaaataaat atg 233

```

```

<210> 296
<211> 143
<212> DNA
<213> Homo sapiens

```

```

<400> 296
tgtacagagg aagaaccatt gtgaggataa agcaagaaga caaccgtctg caagccagga 60
agggaaactt tatcagaaag caactgtgct ggaaccctga tcttagattt tgtagtcttt 120
agaaaagaaa taaatattat ttt 143

```

```

<210> 297
<211> 201
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc_feature
 <222> (1)...(201)
 <223> n = A,T,C or G

<400> 297
 gtgatactgt ggctgacagt atttactgtt aaatggagtg gaagtgagaa aacaccacag 60
 aaggggggcac ctanattcga accgggggacc tcttgatctg cagtcaaagtg ctctatccct 120
 gagccctacc ccctctacct gtaataagct tcttccgtgt ccacctacgg tgactcaata 180
 caatcaagtt ccaccacac g 201

<210> 298
 <211> 77
 <212> DNA
 <213> Homo sapiens

<400> 298
 gctctgatga ttcttaagca aagagatgga agatggaatt tcaaccccat ggagatctaa 60
 taaacttacc cagagtt 77

<210> 299
 <211> 452
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(452)
 <223> n = A,T,C or G

<400> 299
 atgaaaaaac tgaggctggn aganggccnt gcccctgccc anantcatgn atntgnccta 60
 ngatggatgn ggaatnctgc cccaccantg gnggcnttat tattacaccc atattacana 120
 tntagaanaac tgaggctcan cntgggtncct ttgccatgan cacacannna gangatanga 180
 gaggctggct ctgctccta tgcenctcct gatccactct ccaaaccctc ctccagtcct 240
 ctgctccaag ccatcagtta ggatgattct tataagccgg ggggtgtgaca tgccaaagggt 300
 gtctctaccc cacatactcc ctctggaanc aggacaagggt ttgctgaggt tggacctggg 360
 ttctttctgg accagggact ttgctccaa gctcatttcc tcctctgtaa aacaggaatc 420
 caaccaacgt cagcctgaat gggctgtggc tc 452

<210> 300
 <211> 434
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(434)
 <223> n = A,T,C or G

<400> 300
 ttctcatca gaaggaagta cttcatcaat tacgtcctct tcatattcat caatttcttc 60
 cccatcatac tcatcttcgc ttcccacatc acttcctgac acctctgcct catcctccag 120
 atcgcttcag gagttcttct tcatcatcat cttcatgggtc ttccagtgcc agatcattac 180
 cagagtcact gtgttcaccc tacaaaaatca gcatcatatc caaattaagc agaataaaat 240
 gcgtcctcaa tgaaaaaagg atttataaac atctgcccac atacctcatt ctaggaaatt 300
 gtttctgata agatgccaaa cttagaattc tcaagaactg aggggaaaaa aacacttgag 360
 ggcagcaata catggagctc aantatgaat acctttgggtc ccttctacct cccctnatcc 420
 ttttcaaact catt 434

<210> 301
 <211> 456
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(456)
 <223> n = A,T,C or G

<400> 301
 ctctcaatct ggggcatgac tttgaaggga aggttgctaa gcctcctaaa tcccgatata 60
 caccaatgcc gtttccccac tcatctggaa acctgggtggg ncctgcccac acgcctgtat 120
 gccaatcca cctggctgct tggcgaccca ccatgccac attttccact caagcctttc 180
 anatctgctt tgggcacctg aagacagaga gaatcatctt tcaagagtca gaaactttgc 240
 acgtgccatt ccctctgctt agaatgcttt tccctttctc ccaattgcct tatcatcagc 300
 ctgggaaaaa atttatttcg gctcctaaaa tctcagatat cactttctca ggagctttcc 360
 cagatgcctc acttgattcc agaaggagct atcgccactt ttgcctggcg agtaccgttt 420
 tcaccgttac acttatacgc tatggcaatt tattgg 456

<210> 302
 <211> 187
 <212> DNA
 <213> Homo sapiens

<400> 302
 tgactatatg acgtgtgatg gcccaagact gagtcaagaa gcagatgcaa gaatctagct 60
 gactttcagg aaattagacc tttaaagcgac ttgcaaaaat gaaaaacgaa gcctcttcca 120
 aattttttgt tttggaaaat tagttatttt tcataaaaaa cttacattaa agtattttatg 180
 tcaaggt 187

<210> 303
 <211> 449
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(449)
 <223> n = A,T,C or G

<400> 303
 tttcaggttt taggatgacc agtgagatgg tcagaacttc agaaccttcc aaggtgatgg 60
 gtcattcaag ctccaggaac gtcaaggcct caacagtttg gacataatct taagcaacac 120
 atataagacc cacaggctc cactgatatg actggggatc tcatgaagaa actactcgac 180
 aaagacagat actggaggga tagaagagtc tatgaagtac agaaaagagg aaagatctgc 240
 aaacaattcg gtgtcttctt ttaacttgaa actcattcta cccactgcta cagctaggta 300
 ctgtgctctt gctcagattg ctggaggggt ttgttngat gatctccttc aatacatcaa 360
 tactataagt tctataanaa tcatctcaga gcttgtttan aactcatttt ttttcttttt 420
 ctgggntatg cccttataat attcattta 449

<210> 304
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 304
 gtgggggtctt tcaccggcca tgtccctggc tgactgtttt cctgctgac ctgaccagcg 60
 tccccggcag ccatggcctg cattcgtgtt ggtccctcct cctgcagccc cgaggaggca 120
 gggctgtctg tggatcccag atcggttgct ggaaggcccg gaagaggaga gctgccctcc 180
 accaccactg tctcctcctc ctggacaaca ggtcagaac actgctgaga tggggtgaag 240
 cataattggt gcaactgagac tcaaaactac aggcaagaag gtttgaaaat acagaaacat 300
 ttcacgaat 309

<210> 305
 <211> 174
 <212> DNA
 <213> Homo sapiens

```

<400> 305
gatgatgctg cccttaatgc tcagctgatt acagactaaa cacaaaagtt cccagaggaa 60
aatggtggac ttgggagctg ctgcctcagg aggatcttga gtgttagtgg ttcctcccta 120
tcagatgtac ctaatgccca ggatttaata aaggatcatt cccattccac cacc 174

```

```

<210> 306
<211> 464
<212> DNA
<213> Homo sapiens

```

```

<400> 306
gagccccctt cctggacaca ctctgtgtctt tcccagggaa tgggaagaaa caaaaggatg 60
atgacatgac acctaataag tctggatctg gaagtaagtt tgatctacgg ttcattaggc 120
tggagcagaa aaaaaagaaa ggggtccggtg tggtcgcctg tgtgccagggt atggtgttac 180
gccactcatg tgccttatat tccctacaac ccctcaccac aatttatcac ttcaaaaatg 240
ataaaagctg agacttggag aaactagtaa ctaaccacaaa gtcacccaag aaggagggtg 300
caagctaaga tcaagcccca ctttggtggg agctaagagt agcccttggt agagtcattg 360
ggttggctaa ttcttgccct tggaaacctgt ttctatctcc attcagttcc tttctttcct 420
gtcagttgga ctgtaaaact taagatcacg aaatttcctt ttat 464

```

```

<210> 307
<211> 481
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(481)
<223> n = A,T,C or G

```

```

<400> 307
agcttttgcta gccacgtgtg gttcctagac catcagcatc aacattacct ggaaagggcc 60
tcttacagat gcagaatctc tgccccaacc cagacctatg gagttaaacc ctacgggatt 120
tctagatgtg cgggagtga gggagctggtg gctatcagac ctcaagggtct ccaacaggac 180
aagatcaaga gggattccac tcccacagac cactcactca ccctaggaag actgtgaaat 240
gcctgtcctg gtgcttagtt tgaattgttg aaagaccatc tttacggcag aaatgctttg 300
tcatttcact tgataagggc cttgggtttc aagccagttt actcttttct gtgagcattg 360
aaagccccct ttttnatttg ctccgaggca ggattttgac ttcaaagcca aaataagaat 420
ttaggaagaa aagaaaggga gggaggaaaa agggaagttt ggtccaggaa aatgaaaatg 480
c 481

```

```

<210> 308
<211> 177
<212> DNA
<213> Homo sapiens

```

```

<400> 308
gggcaaacc atgcttttat aagcctgatg cttacacaat tatgggagcc ttctttgaaa 60
aaaaaatttc aaaattacaa atgcaaaatt aggtacaaaa ggggaatattt acaatgagaa 120
atcaccacaa atggcaagat ttaaacagct gacaaattaa acagcgcaaa atccagg 177

```

```

<210> 309
<211> 366
<212> DNA
<213> Homo sapiens

```

```

<400> 309
gttgcaagaa agctcaagta gcctatggag aggatgcaag gcttccagct gatgccctca 60
gccaggctca gtagcagcca gaactagcct accaacgaac ctgctgatca tgtgcataag 120
ccaccttgaa cgtcgatcct cctgcctggt ggagccatcc cagctgatgc cacatgaagc 180
agacacaagc tgtccctact aagctctgct caagttggat attcatgagt gaaataaatg 240
actgttacta agtaattaat tttcgggtgg ctgttatgta gcagtagata attggaacaa 300
agcttattga cataatacat ctatatcaca tcctccaatc catTTTTTTT agtaataaaa 360

```


gtggtg

366

<210> 310
<211> 292
<212> DNA
<213> Homo sapiens

<400> 310
gacccaaatg tgaataatgc caacagcttg ctgtcagccc tgaagtttcc tcagatgtct 60
cataaacact ggaatcactt cacacgtttc tgaaatgtga ccacctctca ggaggagtgtg 120
acaacactga gtaaccggaa gggaggaaca cttatcccac tgaaactggg ataaagggttg 180
ccatgaatgc aagaggtgcc taaatctctt ggcatgggga cttaatgggg ccttatccct 240
cctgctatat ggtagcaaaa taagaaaata aaaaccaaaag taatatgcgt tc 292

<210> 311
<211> 195
<212> DNA
<213> Homo sapiens

<400> 311
atgaaagaaa gagaagtccc taagtagaaa ctgcaagggc caagcagaac attataccat 60
gtaaggacat catctgtccc tggactctta agcggaagat catgcaaata gtggactgaa 120
gtcatcccag ccttcaaaag agccaccgtg ggggggaaat aacagaaagg gataaaaagc 180
tgtctttcgt aaccc 195

<210> 312
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(475)
<223> n = A,T,C or G

<400> 312
aacagttctg gaggccggaa gtctgaaagc agtatcagta ggtggaaatc aggggtgccc 60
gcttctgggt gctgtgacat tccttggcct aagctgagat ggcagtcaat gagagtgact 120
gcagaaagtt tcagaaggac acatgggaat catttaacca ggccaataaa atcagctatt 180
tatacacttc ccccggaaga catagccctt gcttcactgt ctgaaggaga gaaaatgcaa 240
aagtgataaa ggcatgaaaa agtcatatct ctgagctaca agagagaaac tgaggacagt 300
ggagatgaga ataaaatccc taaagcttaa aggatgctgg atctggattc tactggatgg 360
ngngccttna aaagnggact gncctatcct ttccacatat gttagaggct acacacaggg 420
agcccacaga ccccgagcatg ccaataaaacg tgtttcttgt gaccataat aatatg 475

<210> 313
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(425)
<223> n = A,T,C or G

<400> 313
gtctactctg tgaaaaggaa atgatcatatc ataattcacg catttgctgt acggatttaa 60
ttaaatgata gacaaaaagt agagtggcac aagtcaaact caaaaaatag taacaacaaa 120
atcaatttca aaataagcaa cagcaataaa tgttacctac tattttacga atgaaaatac 180
tgagaccaat aaaggcatta tagtatacat agccttggaa tcagaagacc aagaacatac 240
aagagaacat agccttggaa tcagaagacc aagaaacaat ttaactctgc ccctctagag 300
ctctgagaac ttgggcaagc cttttaccct ctgtgagttt cagtttcctc atttatttaa 360
ttggaatnat aattccngat cacctgaatg taatgaaaat taaacatcct tatgtagggtg 420

aaacc

425

<210> 314
<211> 478
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(478)
<223> n = A,T,C or G

<400> 314
gtagaagatt ctgaggccct gggcggaac tagtaagcca caatctggaa gagtctttta 60
ccaccatgtg gaggagaact agagcactca tgttgaacta ttaccganaa aagtaatcaa 120
cttcttttgt gttaagncac tgaaaggcaa gtgttgattt gttgcagnaa tnggggctcc 180
cttaacacac ctgtcagccg ggccaaactc tatcacagca taaataatct tttccttaaa 240
taaatacagg taaaagaata aagtagacct aaatgcatta atatgaatat aggctcaaag 300
caaaatgttg ggctataaat gttcagagtg ataatttttt aagttgatgn gtaatttag 360
nccagtaa atagaataaaa cctaaatgtc agttcaaatg gaatttttta catgttcatt 420
cccctgtata atcacctccc anaaccaaca tagaaaatac ttcataataa atgttgagg 478

<210> 315
<211> 325
<212> DNA
<213> Homo sapiens

<400> 315
tggcaagaca ctggcctgat agaccaggag ctactccacc accagcagct acaaggcctt 60
ggcagaatgg aataacagca aacaacattg gaggaggact tgtctgggag agcagccatt 120
ttaaagaaga gcacattaag tcacaaacag tcgcagctga tctactttgc agcatcgcca 180
tacatgccta actaaatatt gaaatcccgg gaaaaactca ctgtgcatca tgttccagaa 240
actagctttg caaacagtct tttcagatgt gtacattttg tgtatttgag gcatataata 300
tatatatatt cctccatggt cacc 325

<210> 316
<211> 275
<212> DNA
<213> Homo sapiens

<400> 316
acgccatctc caaatacggc cacattgggg gttagtactt caacatatga atctgaagga 60
gagacacaat tcagtcctta acacagtgtt ttatggattg tatctgcac ttccatctta 120
tcaccaccca aatccagcac ctgaattggg gagtgttgcc agtgagaggc caagagccag 180
aagagcctgc ttctgcttgc agaggatgca cagttgtaat agttcgtttt catgctgctg 240
ataaagacat acccaggact gggtaattta caatc 275

<210> 317
<211> 352
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(352)
<223> n = A,T,C or G

<400> 317
gttcgtgaat gactgtggtn tcanantgac tgccaatgnc gactcctgat accataaaaag 60
gaaagactcc tgtctgaagg atgtgccttt atcccagaca ctgacaaaaca ctttgccaa 120
gagagttcag aaacgactgc aaacccaact ccaagcaact ggactctgga aaacagctca 180
tgaaatctca gcactgcct tgtctggtga gcctcgtagg gcactcacct ctattacgga 240
ggcttgatgg cagcggcctt gtttgaactc tgtattactt atctattgct gcataagcga 300

attaccccaa agcttagccc gcttaaaaca acacgcattt attatattca ac

352

<210> 318
<211> 243
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(243)
<223> n = A,T,C or G

<400> 318
tcacaacatg ggggtttggg ttgggttttg gatgggcaca cttntgcccc tgggacaatg 60
ggaatggtgg ntttaccag gcnttngggg anaanangtg ggnaattcna cccctngga 120
tgctnacaaa cnttggcaaa tcttancatt ttccctnat tgaaaccggn tgccccttnc 180
cttantaact gcccttggac ttacctcacc attttgtgtg gccttaaatn aagaatttgg 240
ggg 243

<210> 319
<211> 476
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(476)
<223> n = A,T,C or G

<400> 319
actcagagaa gaatggaggc agaggctgga gaggaggctg aggatgctgg acaaccctgt 60
tgagaaggaa aagccggcac acaccgcgga ctgagctctg cctgcctcac cgacttcaa 120
gatagcaagc gaccactttt ctaggggaaa aaaactaaca ctcaagttgt gctgatttac 180
taaacaggac gctctctatt tgtgcttcca tttgctaggg gatttacatg tgaaacctcc 240
ccagtgcta atgggagtta ttatcctgct caatcccctc cgcacagagg acaggatgac 300
cgcaagtggg ataggacgct tgggctatct aataaaagaa ctcttggaat taacacttct 360
tcanggctca cagacccatg tagcctagta tatttccaca tttccttgct attttgaaat 420
ggttcaagtc ttgagacatt tgaagngtt tcttctaagc ttaccgaggg caatgg 476

<210> 320
<211> 66
<212> DNA
<213> Homo sapiens

<400> 320
aggaatcaaa agaaggagga agaatagaat gatttggagg aaaagaagga gaaagtagag 60
gagttg 66

<210> 321
<211> 226
<212> DNA
<213> Homo sapiens

<400> 321
ggtggcccgg cctccctgtt ccatcttctg agaggagcta taccatttt gcaccctgaa 60
cctccaaaact cagaagtctc tgaggagccc tgaataggag aaaatgtggc tgaaaatgaa 120
gtggaaaatc agtgtgataa ccaaatcaag atcacgcctc gctgggaccc tgtcacacta 180
aagcttccag agcatagtcg tttttaaaat ctgtaatagt acctgg 226

<210> 322
<211> 465
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(465)
 <223> n = A,T,C or G

```
<400> 322
gaagccaagt ggaagatcc ttgctggttt ctccctctga ggaagaagga aaatgccatg 60
actcccacta tggcctctct tggaaaccata ttttgaggta ccctacttcc ttcttgagtg 120
tcagcagagc aactgtggga ctggcatgag atttggtcat ttctaggaga gcgaatgcct 180
tttgctcttt tgatgagaaa actagacgag acattgttta gaaattcttg agctcagact 240
ttngcattat gacaacgtgc attcaaactct gccccagcca cttgcgagct gggacctaaa 300
gccgtgagct tctggttggt tatctataac aagcggatcc cagtacctac ctcataaggc 360
tgntgngagg gattaaaata aaatgcatct atcagccagc ttgcaggtct gcacttaaca 420
ggggctcang tgcaatacct tgataagttt tgatagtttg ggata 465
```

<210> 323
 <211> 303
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(303)
 <223> n = A,T,C or G

```
<400> 323
cnaacctgnt angntnctatc tnatncaant gtggcaaccn ntnccttgnc canngctgg 60
agctgacact ttctcaactt cacctggatg gacactgaag tccaggatgg gatgctgcta 120
cctgcagctg ccattctcct gccaatTTaa ggatgaagcc aatgcccagg atggcagagc 180
tgagagctgg aaggaagcca ggtcctcgct gacattgttg acacactgca tcagccatct 240
ctcagcctcc cacctctaga tttcctgtga cttgggaaaa taaatttctg tatttgtaaa 300
gct 303
```

<210> 324
 <211> 458
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(458)
 <223> n = A,T,C or G

```
<400> 324
aatcaagaaa acaattcaat aagaatccat tttccttggt aacaggacac aattgaaaac 60
actggttatt taaccaaagc ttcattctgaa atggcatatt ttacgggata tgacgagact 120
gcttttgagga atttaagtgg accttataaa gttgataaag agccccttag aaagactggc 180
ctagtacctc atntacttgg ttcccttagg agcctaggan cctnaanatn ttngggggacc 240
tcaagaagag agaaattcac tcattttatg cacatntnac nggcatagtc tangggggaa 300
tentnggntg ggggttcccc ntttnaaagn gtttttaaaa ccaanttnng gggtnntttt 360
taaacatttc nccnaagnn cacctttaa accctttttg aacncttttt ttttttttgt 420
ntttgcgcna aaatccgggn ccnggggaaa aactaaaa 458
```

<210> 325
 <211> 212
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(212)
 <223> n = A,T,C or G

```

<400> 325
gagnnactgc tcaaacaaga acacaaaaat ntntnangat cctacnacag ngggttggn 60
ncagtgcacg ctntgtatac ctatcagaca aaagaaaatg tcaagcaagt anaacagaga 120
cttagctgtg acagctaaaa natTTataaa gtcattgttc ccatacnaacc tatctggact 180
tatcaacagn atgcntccag cagttattcc cc 212

```

```

<210> 326
<211> 483
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(483)
<223> n = A,T,C or G

```

```

<400> 326
gtgtaggtct tgcctttcca gggataagtg gccacatagt tgcctgtgtt ccccgagtt 60
attccagtac atgttttata cttttggtat gtttggtgat cacggtgatg gtgattgctc 120
tcaacacaaat gtctacttct cctcgacggt caaggaggga aatagacaga gccagaggt 180
ggccagccat ggttcctcaa gacctgccaa gaagagtgcg ggccaccaga gtctttgcag 240
gtataattga ttaaagatct caagatgaag tcattcctaga tttaaattcat ccacatggag 300
ctgccttcaa aggcacagct gcaggcgagg gtacatttct aaatcccang actagtggcc 360
ttgttagaaa anaanaaccc ggggngaccc ccngagaaaag gagatgtgaa gatggaggca 420
gagactggag tgatacagct ccaagccaag gatcaccagc catttcaaga agctaggcaa 480
gaa 483

```

```

<210> 327
<211> 272
<212> DNA
<213> Homo sapiens

```

```

<400> 327
agatgcagtt ttgccatgtt gccaaaactg gtctcgaact cctgagctca aagcaatttg 60
ccgccttgg cctcccaagc tggaaatgaca gacgtgagcc actgcacccc gccaacattg 120
gcattctctg ctgccttctc tggactgagg aacttcactc aacaactggg ctacagccc 180
ttttccaca gagattttgt ggaatagcct tttgtctca tgctgtctt tcatttattt 240
gcttggttga gataaattaa aagcagaaaa tg 272

```

```

<210> 328
<211> 450
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(450)
<223> n = A,T,C or G

```

```

<400> 328
ntatgacaac aaaaccacn tggggcccaa acctggaagc cgnngctat ggaggaccct 60
ggaagcangc anagaaaggt ttggagtttt cantgcatg acaccagcgt gcctgcggaa 120
gnggntgtgt ntactnttgc ctcttnccc acccaattcc gtcccaggag cccaggatg 180
gaggcccaag anacggatnc cacaggagcc agcaccact ccacccagg agctcagcaa 240
acatccacag agtgaacatt ccaagcaaca tagtccagga gccacgttcc agccatggg 300
cctctgcact gctgtcctct tcacatggcc tgcccttccc ccagaaaagag agaagaggcc 360
ctctctgggt gtcccatcaa aactccacc ttctctcacc ctctcccag ctgtatccct 420
tctctgcagc cctaacatgc attccacttt 450

```

```

<210> 329
<211> 479
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (1)...(479)
 <223> n = A,T,C or G

<400> 329
 ggtgtgggca cacacactct ctgaacagca gaacttctgt ctgagagtag aagctgaaga 60
 gcagaagaga cactatggga atcaggaaag aggaggtgat ctgggccagc agttgaagca 120
 cattgaaacg aagaagaagg ctgacttctc aggagctgcc tggatgctgg cctcctgggg 180
 aactggaact ccagtttgaa ctgaaattcc ctgtatactt gtcaggaaca tccactggac 240
 tgtgggttcc ttggtacaaa aactaagtat ccccatgcct gccacagtgc ctggagcaga 300
 acagacactc aaatatTTaa taacgtatga ctgatttgtt attaccgcg gcataaatag 360
 aagacacaca gggggnggga ggataaattt ggggttaaaaa anaaggctaa atctgntgg 420
 gntgcttcac atganaatga nagtctttcg gtttatggtg gctccccggc caaacacc 479

<210> 330
 <211> 171
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(171)
 <223> n = A,T,C or G

<400> 330
 gaattcatga cactgaagct acccaacttc taccatgcct ataacatgat caccctagga 60
 agtggcagag taacccgagg gaagaagcct ggatacctga atgactatat gaaacacagn 120
 tgccctaata cctcgcagca ctcactacgg aactctgtaa taaagtatat t 171

<210> 331
 <211> 251
 <212> DNA
 <213> Homo sapiens

<400> 331
 atgctatcta tacttatggt aagcatcttc agagacacca tggatgatct tcattctgaa 60
 tcccaggaag aattctggaa agcaatcacc tacctcttga tattttctcc gtcagatatt 120
 acctaaagat ctttttggga cctggagaaa aggggaaggta gaactgattg ataacttcta 180
 tttatataga attaaaagaa tatgaaaagt ttagataaag gagcataaat aaaaaccttc 240
 tactggcaaa c 251

<210> 332
 <211> 446
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(446)
 <223> n = A,T,C or G

<400> 332
 gttgtctgcc aacgctaact ggccagctct gacaggaggt gcgtggccca ggaggagcca 60
 tcaggccagt tctctgggat actgctgtgt ctccagctct gcagtttgct ctgcgtcact 120
 cagcggcaga cggagaggca gacacgagcc ccttgtgagc cctcctcctt accgtcatct 180
 cacaatgctc tgaaataagg aggcaaatgg ctgaggtccc ctgagttgaa gatgtgattg 240
 agttctatct accagaagca tatgcctcct ggaagcctgg ttctaacacc tctcacaaaa 300
 tccttcaagc acttttttct gttccaaggt ttgcttatgg gggaccnnaa ggaaagggct 360
 tnanancctt aaagatttgc tgagtcatat gaggggccag caaacctttc ctgtaaaggg 420
 tcagataata aacattttta gctttg 446

<210> 333

<211> 498
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(498)
 <223> n = A,T,C or G

<400> 333
 gtgttgatca tgaaacattt tcaacccaaa atagtagagc caaatttgag cattgccaac 60
 ctccaccacac ctcccttcat cacatggatt tgttccaaac aacttctggc ccttcaagca 120
 aggaaacact ccttcaaaag atgaacactt gccatcacta acattgtgcc acaggctctt 180
 aagacaattt caaatggaaa tgcaacgaag ttttgctaata ggtagcatca ctgaaataag 240
 tgtagtgtct caaaagactc ctatgtgatg gtgaagaatt aagtgtgtat gtttaggcac 300
 aagtttttatt tttcaaagaa tatttcatct tgctatttgn cgaatgaaat ctttaaggaa 360
 aaaaagngnc ttaagttttt ccaaattgca aaaaggaatt accatcttcc cactgactcc 420
 atgaatgcca aagtcactga aaactaagct taatgactgt tgaatcaatt tccaaagatg 480
 taaaattctg ctttaata 498

<210> 334
 <211> 345
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(345)
 <223> n = A,T,C or G

<400> 334
 gcaaaataca tgggaaaaac aaaacaaaac agtgaaccaa gaactcaagg gagaatcttt 60
 tgagctcatt ttctgggtga atgcttccct cttacccgac caccagaaca gaggagcttc 120
 caggaagtta gagaattgaa aaatagagaa aaagaatgag tcacaagagg atcttatcat 180
 ctgactaagt gggagactgg ataaaagcct tgtaaaatca ttgcagctta tatacatgtg 240
 tatggttatc aagtagcatt ctatttctca aattaagcat ataccgcant tattttgtga 300
 gactataaan ttcttctaga aagaaataaa gaacattaaa attct 345

<210> 335
 <211> 297
 <212> DNA
 <213> Homo sapiens

<400> 335
 aggacttgct cagaacaagg gaagaagatg actatgcagc tgctcggtta cagcgtctag 60
 tcacactctg agatactgag gtcagcaaga acagaggatg cacactatgt cccatcttgc 120
 ctttctgccc agaaagtctc agttactgga aaagcttcag aaatatttac caaaaaatcc 180
 atttgaaatc ctgaaattct acttctcaga aaaacagtat tactcttgtc tagaaataac 240
 attcaggcct caaagtgtga tactgtcatt acttctaaaa ataaactgag caaatcc 297

<210> 336
 <211> 175
 <212> DNA
 <213> Homo sapiens

<400> 336
 tattgtttct aaagaaacta tgaagcaatt caaccagagg agaacaacta ctgtgggact 60
 gcagatgatc ttagcctgga agctgcataa cctcctacc agatcaaatac attcagcatc 120
 catcttaaat gagaaattta agtaactaaa aataataaat ataaataatt aaaa 175

<210> 337
 <211> 496
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(496)

<223> n = A,T,C or G

<400> 337

```
attcaagaga gtgccaaagg aaacaacagg acagaaggag acatgaggaa gagatgggac 60
agacagcact caaccctgag cagacgtgag gggcaaaaga aaaggcaaca ttaaggaccc 120
attcaagttt caagtctcag cgtcccagag gatggtgagg atacagcaaa aatggagagt 180
gcaaaaggag aaaggcagtt gaatgtgaag ataacggggg cttcggggcc tacctactaa 240
gtctggtggg ataaccctgt taaatgggaa gagggaggcc tttcttggtt catttttagg 300
ggaaaaaaat ggctgcctgg aaagttcata taccagcagc aaaaagaaaa gcnaaatggg 360
attaaaaaat nttaaaagcc cttcacnagg aggttaagtt ntggcggggtg tgcccatcag 420
agaccagcag agacaactgg ctctccggcc tgagttcgcc tacatcagaa ctagcacatc 480
tctctgtcta atttct                                     496
```

<210> 338

<211> 371

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(371)

<223> n = A,T,C or G

<400> 338

```
gtggtcaaat gtgtgggagt aaaatgtgtg tttgaaatgc cttcccagga ctgagtatgg 60
ctcattttcc tccttgccat gagctgcatg tccccatgat tcggggcagc ccgcctaggt 120
gcctgttcct ggctatcaga agagcacagt gaagtcctcc tgcccctgag aagatcgaag 180
actctgctgt ggtcaagggt ccttctccag ccatatgtgt tgtctaggat tagacttttc 240
aaacagtggc caggccttct gaggtcacat gtgacagtaa aagcaagctg tggccaaaaa 300
aaaaaaggnc ngnggggncc attnannttg gacttaancn gggngnactt nntnaaaagg 360
gggggactcc c                                     371
```

<210> 339

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(479)

<223> n = A,T,C or G

<400> 339

```
actgaggatc ttctgaattg gcggcctcta catatgcttc tgctaaggag catgtattca 60
ctcaacaagc attttaaacc ccagcaagg cacaagctac aagggttaca agagacacaa 120
gaagagatga ggtggctcct gttcccaaa gagtgtggtc cagggaaagg aataggcctg 180
gacttctcat aacctggaac atcttttctc gagggcaaaag aggtgatccc aagtgagagg 240
ccaaatccaa ggaccctgcc tgcccgatgg gtgctcctct gctgagcagc caaaggcagt 300
gccacgaggc ttcattctacc tccaatagtc acggagtctc tccatgtgcc nnttgggttt 360
nntgcnttgt tttcccagga aagccttnct tgacctttca gatcaagtca catccacgta 420
ccatgaacat tcacaccctg tacctctctt ttcacagcac ttatcccaag agaaactcc 479
```

<210> 340

<211> 481

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(481)
 <223> n = A,T,C or G

<400> 340
 cagagtgtgg gaccaaggac aaattacaga agcacagcag agaagggttg cgggttcccc 60
 gtttgccctat gaagttatgt agtgagcaaa taagaggaca ctggagcaca gcgctgctta 120
 gagccgaggc tcagtaaact tttgttctact gatgaatgaa tgtattaagc tgaccagctc 180
 aatttgattc ataaagaaat agccttaggg cttttctgag gaagaacaca acatactttc 240
 aatccaactt tttaaaaaat aaaacatgat tacacactcc taaataaata ttttcagaaa 300
 gtttgccctat atgtcaaaga tttctaggat ttggaagcca gtatgttcgc aagttgtgag 360
 gacatctgng ttattctcaa cacttccttg gcaaaacnan ngngtcctta cctgaaagcc 420
 tgaaacaata taaaatgcaa agctgacatc cccctgcctc ggcaactgca ctttcaccca 480
 g 481

<210> 341
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 341
 aaggaaagat ggaaaagagg agttatcatt tctttctcaa gatcctggcc ccatgagcct 60
 cagtgtagcc ctagtctctg ggatcagcac caacaggcag ggaggagagg ctctggcgcc 120
 ctgcagacag caccaggctc ttggcatcag gagctggata cagagtccct gataatccca 180
 gccacagaat atttcaaact caccgacatg tcctctaaat atcagatatg aaaaggcttc 240
 cactcttgca cctgtcttgc tattatttta cagatgtgtt ctaaaagcta taaagacgga 300
 aatcac 306

<210> 342
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(471)
 <223> n = A,T,C or G

<400> 342
 ataatacaga catgtacccc accacacaca atgtaaactg caaaagcaaa aaaccgagat 60
 gcctcgtcca cagttcaacc ctctgcgaac agagccatcc tggataaaaag ggctgctgtc 120
 atgattgcc aacttgagt ggcctgaaac aacagagtca gaaatcaagg catctgcagg 180
 gccatgctgt ctccgaaggc tcggaatatg gacccctcct tgccctctcc tagactctgg 240
 gcaggctgca gatccagaaa gccgaagctg cagcaagtcg gaaggcgcg cgcaggagga 300
 gttccttct caggagactg cagtctttgc tcttacggnc tttgaaaaan atggnatnaa 360
 nccccccacn ctatggaggg taacccgctg cattcaaagt ctacagattt aactattaat 420
 catatctaaa aaacagcctc acagaaacac cagactgggtg tttgaacaaa a 471

<210> 343
 <211> 463
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(463)
 <223> n = A,T,C or G

<400> 343
 catgtctttg cagctcttct caccaagaat tggagtctat tttctcaact cattaaatct 60
 gagctggctg tgtgacttgc tttggccaaa aagacttttag caaataagat ataagcaca 120
 gcagaggttt gaaaagtgc gtctcgctgg ggcttactgt attactgctc ttgaaatgct 180
 gagatgacca tgtgaatgaa tccaaggaag cctcctggaa gatgagaatg ctgcatagaa 240

```

gaaaacagag gtctccagct gacagcctgc caaacactag aaatgtgaat gaggccattc 300
tgatcatct tgtcaccagc tgacctccca gctgactatc agtgcattgag caaacccaga 360
aaagatgagc tgagccagtc cagtgtaaaa aaaatggccc agccanccca cagaataatg 420
agctgaataa aanggttggt ttaagccaaa aaaaaaaagg gcc 463

```

```

<210> 344
<211> 149
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(149)
<223> n = A,T,C or G

```

```

<400> 344
gagtgaagc agcctgaggg cctcatccaa tgcagatgtc tgtgccgtgc gtcttgtcca 60
gcctgcagaa ccatgagcca aataaacctc ttttactac ccaaaaaaaaa aaaggncagn 120
ngggccaatt cagnttgagc ttaaccagg 149

```

```

<210> 345
<211> 407
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(407)
<223> n = A,T,C or G

```

```

<400> 345
tatatgaaga aatctggcct cccacagaga cggatttgga aacaagagga ctacacagac 60
cctctgacag tctcttgggg gacacaatgg cttgccaaagg gatccttgat acacacttcg 120
agaaccactt gcatagacca tcaccatcat cctggaagggt tttttcaaaa aagaccacta 180
ctctnacttt cttnaanaaat aacattgcct tttcttgatc ttnatggatg gggaatcatn 240
antgacntgc tnnnttgaaa taaaggacnt ttgaaaatan aaacntggac ctatgaanat 300
atnaatcgga tgaagattct gaagngccct gatgntacta tttatgggnt gnttaaatat 360
tccaacttaa tgggaaggcc ctnggggggg gatttggcca cccttgg 407

```

```

<210> 346
<211> 363
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(363)
<223> n = A,T,C or G

```

```

<400> 346
gatgctgtct tctgatgaaa acagaatcan gaatgagtga aacatggaag tttgaaaaga 60
gtgaacatca acactggaaa ctcaagagtg tgtaaacag agaaaattaa tagaaaccag 120
gaaacactta aggtntatct gaagtttggt gtcttgaaatt gatgtattaa ttaactctgg 180
aatcaattta ctgtatttgg tgaaccagc tttcagtgga gttcttctta attttcgcct 240
actgtttctac ttgttccaaa tgtgtgtatc atgtattttt tcttttagat ttttctacct 300
aattagcttt gattctgtca tcaggattga ttttggctaa aataaaacac atatatgtct 360
ttt 363

```

```

<210> 347
<211> 383
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

```

```

<400> 347
gacttgctgt gctcagatcc tccattcaag agagctacag acacgggggt gctgggtgagc 60
aggagccgag accatctggg gtgggaccga ccaagagttt gaggtgtcca ggggggtgacn 120
gtgaagatga cctatcgagc aggggccctt ctcatctcacg ctctgaagtc tgcacagggg 180
caggggctac cgtgctccat tcagtttggc ctctgttgta tcagccagag gccagcagaa 240
ctctatggtc actccccgtg gtcacggaca atttgccacc tccaccggca gccaggggct 300
ctgcctgaat attctcgctt gatcgtagga ttgtggggag ggatattctc attgatctct 360
aaagaaaata ttggtcgctt ttt                                     383

```

```

<210> 348
<211> 479
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(479)
<223> n = A,T,C or G

```

```

<400> 348
gatgatcatt cttgaaacca gatcccatat caagagaaag tcaagtaatc atgaagagag 60
gccacatgaa ggtgtttctgg ccagcagtg cagctgaatc tcagttgcaa gccagcatga 120
ccaccagaca gggaagttag caaaccttca acggaggcaa gcccagcct tcaaaccacc 180
ccagccgatg catggggcaa ggacgagcca ccactggcaa atgtgcccac actgcagggt 240
caggaggaaa ataaatgatg gtggtgtttc cagtcattaa gttttatggt ggtttttaag 300
gcaaccaaag acaactaaga acatttactc tggccaataa aaaaatgaat gaaagtgatg 360
tgtcacttcc atgtggaaaag ngttcattcg ccagtagtta agacattgga agcaagcttt 420
tccttcttgg tgcaccaatt angaaaagaa gtggtgttgg gggatgtgcc ctccttcat 479

```

```

<210> 349
<211> 614
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(614)
<223> n = A,T,C or G

```

```

<400> 349
cagaaactga gcccaggctc taccgacctt taaactacaa cagagctttt naggagaaat 60
gcggaagaga cggcntttcc accccgggac cttaccagaa aaccgcgaca cccagncac 120
aattggcttc cttcattcaa gccnagaaaa agggactccn acttttcacc accaggggan 180
gccccctttt cttggtggct tgggccaant tgcaaaaagg cctngtttca ttgggcattn 240
ccacaagggt ngggggggaa nttgggnccc ccaacccttc ctttcttang cacctttnan 300
aagnggttnc cttnttggtg ggcaagnaac aacccaattg gcnttaaggg ttttcttctt 360
ttttnccaaa cttnccttgt ttngggtctt ggggcnaaag gtggnaccgg aatcaattct 420
tttccacttt gccattttaa ttnaagtnaa gttcaacccc ngaaacaatt tccttaatac 480
cttggggccc ccccccattt tncctttttt aaaanaaacc aaagtttggg cctntcccc 540
ccacttgggg aaattttatt tctaaaatat tngggaaant tagaaattaa aaanttggaa 600
gaaacttttg cccc                                     614

```

```

<210> 350
<211> 380
<212> DNA
<213> Homo sapiens

```

```

<400> 350

```

```

ataacatggt tcaaagtggc aaatttcccc taagaattgg aaaaatggat aatacggatt 60
gggggttgag agccccggat tctgattaaa catggaatct gagaactggc agaaagcctg 120
gaactgatgg aagagagggc tctagggcct ccatactaaa tggatgaacta ggaactataa 180
aagagataat gtggtgaaga gcttcagcca tcaagttatt ctaaaaatga agtagggcat 240
tttatatgtg gagagaaggg cactgattat tatctgacta ttgctaatat gtcccataga 300
acttatttgg aataattttt tactattaat ttgaacaaca gcagtggagac tctttatatg 360
tataataaag ctaattttac
380

```

```

<210> 351
<211> 373
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (373)
<223> n = A,T,C or G

```

```

<400> 351
gtcagatttc ctgcaaggag gatctacagg ggcccagcac taccttgaag gccgtgaaca 60
gccacagagg gaaagccgcc ttgagtatgg agcaagactt cctcagacag gtctcatttg 120
tgtcttcctt tccagcagga ggaagacagc acctgcccag agtagtttta gagggcactg 180
cactaaagaa ggagaactgc aggggaagat cgtgccctaa tggatgaaac atttcccaa 240
tggcctggct atctggagag atgaggactt gctcattagt agaagtttcc aggcaaagcc 300
tggataagca tttgctgcag ggggtggggg aggtgaaggt tganangana nctctaagat 360
ttctttgcct tgg
373

```

```

<210> 352
<211> 405
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (405)
<223> n = A,T,C or G

```

```

<400> 352
gctataaaga cgccttgaat cctcctccac gatacccgcc ccactatttg ttggcacagc 60
tacgatgctg cttatggatt gttttcactc ctaaagacag tggcgcaagg caaggtgacc 120
tggagcagag ccattcctgag tgcccaccca gcgtcccagg agcctgttgg aatttggaa 180
gacatttgcc tctgtttata aagactggct ttttgctgaa agccagggtc tcaaaaattt 240
tgttttatta atagaagcta aacccccaaac atttggtctt ttttcattcc atttcccctt 300
tcacaatctt aactattccc aagacaatgg atacctctgc ctgtatcaag ggcnagattg 360
caataanaaa gtcaacagga aataaacntt ntttttttca aaatt
405

```

```

<210> 353
<211> 464
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (464)
<223> n = A,T,C or G

```

```

<400> 353
ctgatttaag ttanttcng gggncnnaaa cctngnaaag gtttttnatt agggcagcaa 60
aggggaaccgg ggaaccactg angaggagca gcagaaaact tcacagcttc tttgggtggg 120
cagcagactt cagatttact ggaagccaag aaaggggaag acagcagcag gagggcttga 180
ccagctagct aaataagtta agccatggaa agaagcagaa gaaggaagct caagaaatct 240
cagcaacaaa cactcatgga cttttttcta aaaatggaaa tttaaaactt tctcgaccat 300
gacccacaag aaatacattt tacacgttgc atccaggaca tagcaatatg cctgtgagcc 360

```

```

acttttgtagg tgaagggttt ncatggtgag cttgtttaag ggaacatggc ccccnnggggt 420
nctccttttg gagattcccc ctggatttac tggatcaaag tctt 464

<210> 354
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(446)
<223> n = A,T,C or G

<400> 354
ggaaatgccca caagactatg gccgtgcaac atttccgcag tgctcctcgc tacaaagaca 60
ttcccctaag gctggtagggc aactcaacac tcagctcagt acgtggtcag ctgcctctcc 120
ataggagcct tatgccttgg tgaggagatc tctgaagaaa ttgctgatga aagtccaaca 180
ggctcttcca gtttgtctgg tcggtcacat ttgctgaaac ctggaggaat tgtagtgga 240
agctcaacag gctgactca gtctgactgt ccattcttct ggaagctgca gagaaaagaa 300
acctggaaac cctatatgct gacaaaaagg gacacaattg gatatgatgg ttattttacc 360
aaggttttga aatgtcgtgc tttcaaatat aaacagactg ctttaangga tcnaaagtgg 420
ccttttaaag ccaataaaag cctgc 446

<210> 355
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(446)
<223> n = A,T,C or G

<400> 355
cagcccagac gtggtcaaca agaacactga gcagaaaaac aaccttgagg atgaaaacag 60
ggatgttctc agttgaagcc cacactagaa gagctattta aacagcacca aagtgctggg 120
attacaggtg tgaaccgctg tgcctgaccc agtggtttcta aaatatctac aaaaacagtt 180
tggagttagt cctaggcaat gctttgctgg aaatgggatg tgtgatggac cattctaagg 240
gagctgaact ggctgctgtg aagacatcag gaacccaagt gagactgtgg tacgtaagtc 300
aggaagaagg cacttgctg gttttgaaaa catgtcctgg ggatggntag tgctnccagt 360
tcacaaaaaa agcaagctgc cttgttaggg nanggannc accanttgaa aacacctcca 420
ntactgccan tanaaacagt tgattt 446

<210> 356
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(450)
<223> n = A,T,C or G

<400> 356
aggctgagaa gtccaagatc gagggatctg gcagcagatg agggcctttt tgttgacca 60
gcccgtagga gagggtagga gggcaagagg acaagaaaga ataataaatc aaacttacag 120
cctcaagctc ttttataacc agcatcaatc cattcatgag gatggaacac tcatgacct 180
aacacctccc tttaggctcc acctccaac atttgtaaa ttggggatta agtttctaac 240
acatgatttt gggcgggata cattcagatc agacaaaaag ggcaaaggga ttttgtatac 300
acagagaaga agttgatgtg aagatggagc agagagccgt ttgaagatgc tagccttgcg 360
actggagtca tatggctaca atccaatgga tgctggtaac cnccaaaana tggangngc 420
cgggacnaaa attcncnct ggaacctcca 450

```

<210> 357
 <211> 460
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(460)
 <223> n = A,T,C or G

```
<400> 357
gtccttccag aagagcactc cccatcaacc cgcgggcagc tgaattccca cctcagactc 60
tgctccaagg gcgccgtgtc tacggaggcg acgctgagga tggcttatca ggttgggtca 120
ctcaccacac cagcaggacc tgaccttaaa ttctcgggtc atcctaagtg tgaccacagag 180
accgctgcg tcagaagcac ctagaatgct gtggaagcac cttcaatgca gattcctggg 240
cccaaccctg gttccactga atcggggtca gctgggtggc ccaggaattg gcattttcaa 300
cagctttcaa ttgtacacca gaatactcaa gcttgtgact ccctgctca ctgntttctt 360
catcctttct cacttcctgc tgagtacata tgnattttac tactttttaa aganactttt 420
accaataaag gccggcnttg aaggggaaaa aaaaaagcca 460
```

<210> 358
 <211> 419
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(419)
 <223> n = A,T,C or G

```
<400> 358
gaccgcaatg ctccctacgat gatcctgtaa cagaggtatc ggacaccaac cntggggannc 60
ctccttcaaa ttatggggaca tcaccaacaa tcaatcacta agagaagaaa taatttagaa 120
gaagaattca tttttgggta ctcaaatata acccaattta aaggagactg ttattttctt 180
tctctagtaa gctacagaca ggatctgctc cctttaataa gatgcttggg taataacatt 240
tattttacaga gtaaaatttt ctctttattt cctccacac taaaatattt acataaactc 300
aaaccactta tggtgcctat tccaaccagt ttcttgtcag agtgagtagg aaaattcttc 360
attaaatgct attgcctttg gggnaaacag aacataaatt aaaaaccccg ctttattta 419
```

<210> 359
 <211> 455
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(455)
 <223> n = A,T,C or G

```
<400> 359
gccaaagagat gcaaaggatt aatcatgaac ccagttgccc agaggtggaa aaaaaaaatc 60
tgttgtggta gactgaagaa gcnagaagtt atatgaacac caagaggccg gcaacatgag 120
tgtggcctga gtctgacgcc ttcgcccacc ctcttccaga tcacctgatc cgaaagaagt 180
tacgaaaata gctcanaatc tgggcctgcc tggaagagac ataaagattc atttacatgg 240
gaaggtgact gctctgaata tccacagacg acgaatctat gctaattggtt cagtctccca 300
caaactctggg atttatataa ctggctccta cccttggtcc ttgccagcag aaatgcttga 360
attatcttaa ttccagaatg naaattattc ccattctgan ggcntcattt ttaagctggc 420
aaaggncatt tttttnacag gcctaaaaaa aaatt 455
```

<210> 360
 <211> 465
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(465)
 <223> n = A,T,C or G

<400> 360
 atgatgtcag aagtggggtg caaagtanag gcttctgaca acccccggga gtactgagtg 60
 aacaagcaag gtatctgcag aaccacttg tgtccaccga tctctcagag tgccctggaga 120
 tcatggacaa cagaatgcag tgtgagggat gtcaagtcac ctgggaacaa cactttctta 180
 agaattcatc tcaatttctg cgtttttttg aaaggtcctt aattgtttgc tgcctctgca 240
 agctagacat ctctttcagc aaatggagac ccagatggtg aggcaagaga aggaatgacc 300
 aaattaatga aaatgttctt tcagcttggt attgagcttg ntattctcct gaatgcttgc 360
 tctgcgactg ntatgctaac tgaccctgtg ggtaaaaanga gaaaggaata tctcnttttg 420
 ttaattttaa aaatantaat aattgacaaa aaaaaaaggc ccccg 465

<210> 361
 <211> 332
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(332)
 <223> n = A,T,C or G

<400> 361
 gctgtaggat gacgcatgat gcaagtctga agttgtatgt ggccatcttt gccaccacat 60
 tcagaaaagct tacctgagaa tgaagtcaac actggagaga aagagaaaga aagagggaga 120
 acatatcaga atctctccac aatggcaaca aagatggtca cttagcaagtc caagcctcca 180
 ttctctttaa aacttgcaat ccttgaggac aaagaaaaac gatctttttt tccaatatct 240
 atgttacttc taaaagaagg nattaaggaa agcctgnatg aaatttcatt catnantcaa 300
 gaccatactg gccttgaata aaatttataa gc 332

<210> 362
 <211> 293
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(293)
 <223> n = A,T,C or G

<400> 362
 ggagatcggt tggaaagaca gtggactgat ccaagagccc agtcttgatc agcccagact 60
 gaggggacct taagagatgg gaagactgac atttacaact tccccaactg gccgtgatga 120
 tcttaagtac agccactgag gaagccaact taagaatctc ttcctgacct tgctcagaat 180
 tctatcatcc ttcttcctgc cccaaataaa attcccactt ccacaaaaaa aaaaggccan 240
 cgnggccaat tcagcttgga cttaaccagg ntgaacttgt tcaaaagggg ggg 293

<210> 363
 <211> 466
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(466)
 <223> n = A,T,C or G

<400> 363
 ttgtgcgtca ctgcaagact gcatggtaat gaagccaagg cactgtgggc caaaactctg 60
 ctgcctgtga gaagagaagg gacagcggct tggagagaca gaacggcaaa accgctgctg 120

```

ctgctgcttc tgccttctgct gctgctgctg ctgctgctgc ntttgcagct gattgagaca 180
ctatgttgag tctacaggat tctgtgtttt ttgaaattag cataaagtc ttgttaaagt 240
cctggagcag cagctgaagc caagtaggct gcccgaggcag tcagaagaac agagcagggtg 300
aagctgcaca gcatgcagtg gtgtgtcttc ttttggggcc aagcctgatg caacttacta 360
tttgccaacc cccgggtcatc ttccttctga gtaaattggcn ccactatcct atgagtgatt 420
caagtaaaaa tgctcttcag cgccagtcag caaagtaaataaatca 466

```

<210> 364

<211> 283

<212> DNA

<213> Homo sapiens

<400> 364

```

tcacgaacaa tctggatttc atgtcacaaag aggaaacaga gtcatcactt caagtactgc 60
accaatcaag tctgttctgg taataatgtg aggcattgct caagacctcg atacatgaaa 120
gcaattactg cagatgcctg gctgttggca ctgttcagct ttaatgtagc agtacagaaa 180
gttatgcctt ccacctgtga tgactgatcc tagaacctgc agacaatgag tctaagctga 240
atacaaacaa taattatcca agtaaagagc ccttgttcaa ttc 283

```

<210> 365

<211> 407

<212> DNA

<213> Homo sapiens

<400> 365

```

aaatgaagat ggcataatgga aaggcgattc ttatactcag aaggaaaagt tcccatggaa 60
gccatggatt cattcatgac aaagtgggtg gcctgtttgt ttgcttgaga ttggcaaaaa 120
tccaaaatgt ctgtgcacac tgctgggtgag gctatggtaa aacaattaca tatttctggt 180
tggtgtgtcc ttgtgaagtg aaatttggca gtaagtaaca aaattactca tgcatttccc 240
acggatcagc atctccactt gacataaaaat aaatgctaga gatacacatc tacagggtatg 300
aactacaagt tctgtagtat acaaggatac aggtaattta ttctgttgtc tatgatggca 360
taaacagctt aaagtgccta ttaataaggg gcctgggttt gttaaag 407

```

<210> 366

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(466)

<223> n = A,T,C or G

<400> 366

```

agcatgctgg acagcctgga gctggagccc acctacaacc ccttgcatgt tcaaagccac 60
ctgtactcac acctgagcag catctatgcc aagcctcagg ggcgggtcca cccacactgg 120
gagagccgag ctccgagaaa gcatccctgc aagactgggc agttgcagac caaccgagct 180
cgagctactg tggccccctt gcctatgact cctgtcccag gcagagcctc caagatgcc 240
gcagccagca aatcttcttc agatgccttc ttcctgcctt cagagtggga gaaggatccc 300
tcaaggccct aagtcaccag caccagagcc cagctgcccc gcttaaccat attcatgctc 360
aggttcacat aatgggctat ttgnggtcaa gacttgcttt tttttcccn ggganccttt 420
tntgngggag ggnttnattg ggaaaaanaaa nagcctttcc ttgtcc 466

```

<210> 367

<211> 475

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(475)

<223> n = A,T,C or G


```

<400> 367
ccattcccaa atgcgttacg taggtggaag ctgggtgagt gtcaggaaac taaactctgc 60
aaaataagat gacaccctct tggaagattc ggaaaagtgt atcagacttc aagagccagc 120
tcagctacta cttcaagcta acctttcttg agacctcccc tttacctgct ttcactctgtg 180
ctgcccgttg acttaactga atcacctagt ggactgaatc tggccaaact ccagggccac 240
ctatcatgag cagccttggt tgctggcaat ttgcagagtt gcaaggggta aaggactggc 300
tttgactatt cagtctttca gttcatcaca tcttgccctg atgactgcag tggccactaa 360
gctggtcaca gagtgcgctt tcttaaagtc aagtgtnaag gatngnnaaa ccctcaaggg 420
gctttnantt tttccaaggg ccctgtncct tggaggggca taccattgaa gggtg 475

```

```

<210> 368
<211> 466
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(466)
<223> n = A,T,C or G

```

```

<400> 368
ggctgggacg atgaaatgtg atgggctggg aaactcaagc cngccccag gtgggaatca 60
ataaagggga ncgggtgggc tttggcttat tggnttggcc caagcctggg tcttcaaaac 120
ctgggccctg gaaatcaaat ggctttccca ccctcaagct tggcccagaa gggaaacccg 180
ggggaattac cagggccctt gaanccact ggcaggccca gccaggtnt tgggttaattt 240
tttaaatggt aaaaattctt taantaaaaa caaacctcaa ggaagctct ctttgtcncl 300
ttttaaaan cccattttta aactttcttg cttaaatecg ggaagngta atatttcaag 360
nggcaaactt ttggaattct tgtggcctcn cttggggaat gccaatccc ttcaaagcct 420
tgggcnccca aaaataaaag gtcttccgc ttgattattt aaaacc 466

```

```

<210> 369
<211> 475
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(475)
<223> n = A,T,C or G

```

```

<400> 369
aagccaaaga ttttgcagaa tcaaggatgg atggagtatc aaaataagga acggaaaaaa 60
ctgaagatat actaaggatt aaggcccagg ttcacttagt gtccccagg ggcaggcatt 120
gtgctgtgac tgtgatgtga aaaaagaggc caggacaact gggcttcatt cagtcagact 180
ggagtgcagt ggtgtgatca cagctcatgc agccttgacc ttccagactc aaacaatcct 240
ttcatgtagc tgggaccaca ggtgcatgcc accatgatca gtttattttt aaattttttg 300
tagtgagcca ttgagtcag cataatcctt ctaatttagt tccttatctg aaaagcgagg 360
acattgtgac aatgatctca gaacactgtt gngaaaanta aantctnaan ataaagggtn 420
ggggcccaaa aggcctttaat tgggaagttg cttaanctat aaaaaaaaaa gggtg 475

```

```

<210> 370
<211> 387
<212> DNA
<213> Homo sapiens

```

```

<400> 370
ccctgaagga ggtgctccag cggcctgtct cgtcctgtcg gaggccttct gaaggcctgt 60
gttctcacct gcccttagtg gaaaccttct attcatctga tctattttct tgtgggtgtc 120
agggcccaca tgtctccatc tccctttcca gtcaccaag atctgttatg ggctgcattg 180
tatctccaca aaattcatat gttgaagctg atatgatttg gacctgtgtt cctgcccaca 240
tcccattgca aacgccatgt gatgtgtgct tcccttttgc cttctgcatg attgaaagt 300
tccagaggcc tcccagaac caagaagat ccgcatgctt cctgacagtc ttcaaacga 360
tgtgtcaatt aaatctcttc tcttttac 387

```

<210> 371
 <211> 462
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(462)
 <223> n = A,T,C or G

```
<400> 371
gctggagtgc cgngggcacga tcttaactta ntngnacnt tngcntcng ggttnaacca 60
nttttctgt ctcagcttcc ccagtagctg gggattacag cgccctctgg taggcattgc 120
agagagaaga atgcaaatta aataagaaaa gccctctgcc cttcaggagc ttttggtgaa 180
gatctctttt ttaaaaagct gcaagactgc tgcccgaagt gggacacaca acctaaataa 240
gggcgagaac cggcaaggac ggcccagcca cgtggaaccg cctcgcaact ttggcgagca 300
acttgagatc ttctagagac ccaggagtat gttgcttcta cctcagactg gggagagggg 360
agcttcccca aaccattggn gggagatgaa natntcaacc anccgaattc ctgttcacga 420
ccaacctgtt gtgagctctt ctgggggatc aacaatggct ga 462
```

<210> 372
 <211> 263
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(263)
 <223> n = A,T,C or G

```
<400> 372
ttttctntat gaaaactact nntcacantc nnantccttt nangttaaaa antnaaaggg 60
naggccagnc ccggggggttc acccntgtan tcccagcact ttggaaggcc aaagcagggtg 120
gatcactgga ggctactttt tgttcettca atgcctattc attcgtctcc tctactcccc 180
gcttccccct cttcataca ccaactcaga gttcgaggca cctgcccatt tccttcctaaa 240
taaaactgta aagaggttac aat 263
```

<210> 373
 <211> 230
 <212> DNA
 <213> Homo sapiens

```
<400> 373
gaagtcaagt tgattacttg gcatcagccc ttcacacag atactactga aataaaaaaac 60
caagggaaatg tgaaaaaaac ggaaggacac tgaagccgt ggggaaataa tgaagtataa 120
gtgcttcaga gagcagcaag aaatggaata atatttcttc tgtgaggacc tcagtaataa 180
caacccatga gtgatgggac ttattgcaaa tggcaagagt gctgttgag 230
```

<210> 374
 <211> 338
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(338)
 <223> n = A,T,C or G

```
<400> 374
ncatngtnng ggagttgntg naaccactgn ctgactcttc atancaccnc gcttttncct 60
tggtcctcna cactgggtgg ggagccctac nttccatgaa gncttggcaa acnggggtgga 120
tcggnnctcg cntatcacag ccatacaatg actcttcagg aggaaatacc agcctagacc 180
tgctcagggc ttaccaaactn gtgacnatag gtgaggtgna gccagactag actnacacca 240
```

```

nttcggnatg atctgacgga anggccggca gaccctatat cctcagatgt gtcccatcc 300
acctggcaca tgtctggaac ttncattac agagggggg 338

```

```

<210> 375
<211> 412
<212> DNA
<213> Homo sapiens

```

```

<400> 375
caacctcgaa aatgtccaac tgcaaagacc catgtctaca aattgctgtc agccagagga 60
atggctgtaa cttccttggg gccgaggact ccctgctcag ttctactta cagtatctga 120
gtcacttaac taaatgcaat cggcccagct gcaggcacca ctgctcgggc cactataaga 180
accagccctt gagcttccgg acaggaacaa gcattctcat ttccagactg tagcagctca 240
tcatgccagg ctccacaggc aagaatcaag cagatggaag ctacagagga aacaaacagg 300
gttccttgaa atcagcagct ggggagaatt tatcttataa ggggtggaatt cttgattctt 360
tcattacatg tcctcttgca gcagcagcaa aagtaataaa aaataagagc cc 412

```

```

<210> 376
<211> 416
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(416)
<223> n = A,T,C or G

```

```

<400> 376
ctcagggccc taggggagtc acaaaagatg aggacacgtg aagactacag ctgcaggcct 60
agaagactct ctcaagaaca actgtcttgg attcccacag ctttcccctt tctgtgggtca 120
ccactcagga ctccctaccc tgccccacaa gcctgcagat tctgagatga cctggaagga 180
acggaacagg aaggcgtgag ctttggcacc agtttaacgt agaactgtac gggccaaaca 240
cagggccttt gattatagaa aaaaataggc ccattgtctt ggtgggtgga accaaagcat 300
agcagcatct aagaaaccag ttctcttggg tccagtgatg agggcttagc ctaaaaatat 360
tanggtgggg agggaggagg ggtgaaanng naaacatact ttaataaaat agatta 416

```

```

<210> 377
<211> 253
<212> DNA
<213> Homo sapiens

```

```

<400> 377
tcaacagtca taactttttg aggacacatg tttattgctg ctgctggggg cagctgctct 60
tgtaccactt ttcaaattgg ctgtggaaga gacaaagctc atctggctgc tggggcagtg 120
gcattctcat gcaagctggg ctactgggtg ctgccctgt gacctgcttc tgaatggcca 180
ggcaggaaaa gtctccact gtgttgcat taaagaaaag aaaaagatga attaatgaaa 240
aagctctgca aac 253

```

```

<210> 378
<211> 303
<212> DNA
<213> Homo sapiens

```

```

<400> 378
gctgaaatga accaacaatc gcagaggccg cggcagagtg agagagctgc ccatgctggg 60
agaagccctg gtctttgtct ccacaaatgc tgaaactgac agtggttctc ccagagtcca 120
agtcctccatt agccaagcca agagcagagg aaatgttctc cactggagga aagaagaact 180
gtcgacacca gaaaatttcc tgctggaatt ctgccaaaga atagctggcc gtcctagggg 240
gggccatcat tacggaactt tgctgtttgt aaatttaata aacgactcac atctgcttat 300
aat 303

```

```

<210> 379
<211> 382

```

<212> DNA
<213> Homo sapiens

<400> 379
gtgtggagca gagaaaaggc tatacccact gatgaacagg gatccacacc tggggaagaa 60
gcaagtatga ctttctctcc tgtggcttta cacaacctcc ttgaaattcc aagagcaacc 120
ctcccagcta aagtcttctc agatgtgaca cgatctgcac aagcagaggc ggcacagggc 180
ttggcttcca gttgggaaat gaagctccaa gggcagccct actatggcgg gctgtgtgac 240
ctgggccaag ccccttgaca tctccagact cggcttccac atctgccacc accaggacac 300
tggattgaat gttgggtacg ttgtaaggca agggagacac agaagtccta aaggcaataa 360
agcttttccc cactgcccct cc 382

<210> 380
<211> 364
<212> DNA
<213> Homo sapiens

<400> 380
agactgggtc tcactacatt ggccaggccg gatttgaatt cctggggetca gcctcccgag 60
tagctgggac tacaagcatg taccaccatg cccagttttc tgcagcagtt ttataaacc 120
aaattttcca aattagaaag actgaccaa gaagcacttt tatacgagga ataacttacg 180
tatggagaat ctcaacttgg accagtcaag accaaactcca gcgatgaagc cagaatgtaa 240
tatactcaa aaggctaaag aagtccattt tcccagatgt aaattataat taaaaaatag 300
tgagccaaac tctaatatcc caatgtgata atctttcaaa taaaaatatg ggctgtagtt 360
cagg 364

<210> 381
<211> 318
<212> DNA
<213> Homo sapiens

<400> 381
aaatgttaag ggagttaatc ttctacaagt ccagtcattg gctttcacia agggccaaga 60
aaggagctcc aaagctcgcc atgactcaac aggaagctct ttgtgtcttc ctttctacac 120
catgtctgac aaagaagctg tcttaagttc atgggcctct gtctcttgcg tgaattctga 180
agtcagtga gcaacaatga tgtcattgct tctgaagacc actgttggct gagataatga 240
agatctcttc acccaaaaaca ttgccatttc tgcagcatac atttcctacc ctttcaaata 300
caaaagtatt ctaccgat 318

<210> 382
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(463)
<223> n = A,T,C or G

<400> 382
ccagcagaca tcaaggactt ctgaggagcc tggtagcttg cataggcact atggaccctg 60
ttttgcttaa cccacccaac agccaatttt agcagacatc ctagttttgc aggtgagaag 120
agctgaggta cgaagaagtt ttgttaattt ttccagttca cgtaacaagt aaatgggaaa 180
ccaggatgaa aatcaagggt tatctgtcgt cagactgtta ctcataatca ccattcggag 240
agttcanatg tgggacaaga ttctaactcc nnccttctcc caaatgggta atntgccagg 300
tgccctanag ctacatattg tcttatttgt gtgatnnact gannctgnct gaatnttana 360
agccttgat cttntgnant nncaaanaca naagagnccg nggggnntat ttaaatnnga 420
antnaaccgg cctgannngc cnaaaanggn ggggcttccc agg 463

<210> 383
<211> 220
<212> DNA
<213> Homo sapiens

```

<400> 383
gtgggggtctt tcaagttagga cactcaagca gctctgtgga gaggaaccat cttgccagct 60
ccaacatgcc agccatgtga acaagcccag gtggcaaatc acccagcctc agtcaagctt 120
tcagatgacc acagccccag ttgatctctg actgtaacca catgaaacac caaactctgg 180
actcacagaa atcatgagat aataaacaat gattgttttg 220

```

```

<210> 384
<211> 434
<212> DNA
<213> Homo sapiens

```

```

<400> 384
gcaaagaaac aaagaggaag gtgtggatgc tcaccagaa gtcttgtctc ctgcagctcc 60
cttagaagct caatcctcag gagacagtgc actgggggtt gccaaagggga cctgaaatac 120
cggtttgcca caatcctgac caaatcggct ccaggggctg agaagggaga aggtgtcagt 180
ccattcaaaa cccatcgtgg ctgattttga agtggaaaaa gaaaaaaaga agcaaagaaa 240
agcattgctc agcaatgggc aggaagaaga gttaagaggc tgagctcttc ggcaagaaat 300
gccatagctc tttcaacttg gacagagcca ggaccacagg ctggttgtgt caaaaactgg 360
gtgttcttgc ttagtgcata aggtttgggt gttttcctcc ctctttcctt gagccctggc 420
acttggggac cctg 434

```

```

<210> 385
<211> 268
<212> DNA
<213> Homo sapiens

```

```

<400> 385
attgtgaatg ccagcagaac agctgacccc aaacagcttg aagaccccca caacagaact 60
gaatcagcat gaaaatgcag tttctccacc tctctgttcc atgacttcac cctgcactct 120
tccaccaatc aatggtctcc acactttggg cgacaccaa acgcttaaga acccaaccct 180
agccccaaat tccttgggga gacagatttg aggagtcctc ttacctctc atttggcagc 240
cttaaaatta aaactctttc tttgcttc 268

```

```

<210> 386
<211> 542
<212> DNA
<213> Homo sapiens

```

```

<400> 386
gtgacatggc ttacaaggct acttgtaatc aacttctcat ggctcatccc catttgtgcc 60
ctgaactcca aacgtactga gttacctgca gttcctgtaa tccagcatga ctttgtctcc 120
caagcctttg ctgtccccac tcatccttca gttcctagct caggaatcat ctccatcaag 180
gtttccctga cttctcccat ttcccaagtg aggcgttcag agagtccgtg gcttaccttt 240
ggggtagcac ttacatcctg ctccctaact gtctgtagaa tcatctgtct tcgctgtctt 300
tgagcacctt gagggcaggg actgcagctg ttatctgggt acatacaaca ccaaataaca 360
atgcctaagg catgccagat attcaataaa tgtctgtgta agaagcaa atgtttaaaca 420
ttccttcccc agcatgcctt ctctgactat cccacctcc ttccagaagt actcacctaa 480
tccatgcgga caccatagac caagtgcatt tataaaactg gtttataata ttaaatgggt 540
ag 542

```

```

<210> 387
<211> 282
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(282)
<223> n = A,T,C or G

```

```

<400> 387
gtatantant tcttatangn nngnnnnnnn nnnnnnnnnn gggatgctcc ttcttgacc 60
cagccaccca ctgggaaaag cctaagccac gtggagcanc tacatagaag agggccgggg 120

```

```

ccacagctac agccagcagc tcctgccagc cactgtgagag agctaccttg atgttccagc 180
ctccagagat ctaagagctt ccagacatct accaccccag ccacaccacc tgagccaatg 240
tcccacagag tcatgggaga taataaaagg ctgttggttct ct 282

```

```

<210> 388
<211> 263
<212> DNA
<213> Homo sapiens

```

```

<400> 388
aggcaagttc tccgttgccc aagctggcct ccaactcctg gctcaagtga tcctcccacc 60
tcggcttccc caagagatgg gggttacaggc atgagccact gtgcctggcc tcacaagatg 120
ttgttatctt tgttttacac tatcaatgcc catgcgtcct tacttaatta ttaaccactg 180
tattgctgtt cattcttctt gcattctcata tcttccatca gggatcattt ttcttctaca 240
taaaataaat catttgtaat ttc 263

```

```

<210> 389
<211> 292
<212> DNA
<213> Homo sapiens

```

```

<400> 389
gtaatgcttg tgggtgttcca gacagcagaa tgtgagtggg acatcatatg taccacctct 60
gggcctggag catagaactc acacataatc cttcatgttc ttatgtgacc acacagatga 120
acaaagcaag ccaagtgtgg aaacgtgtta aagatgacgg aaccacaaga tggacaacagc 180
ctggatccct gaatccctcc ttggaggatt agtgcccaca aattgtaaac agccacccag 240
atctcagcga gcaagaaata aattatacct gaatgtttta aaaaaaaaag gc 292

```

```

<210> 390
<211> 244
<212> DNA
<213> Homo sapiens

```

```

<400> 390
gattgtctcc aatttacctg gaccacagcc agcaccgtat cctcaggcac cccatgggac 60
agtacataca gaagaacagc atcacaccac atcctatcac caaggccagg attctgtgcc 120
tccgcccccc tccccacctc cttgaaacgg gggaagtagg gggaagagtc aattcttctt 180
ggagcacatg agatggtagc ttgctgtgtt gtcctgaaag aaaacaaagt ttgtaaatca 240
ctgt 244

```

```

<210> 391
<211> 436
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(436)
<223> n = A,T,C or G

```

```

<400> 391
ctgaggaata tatgattggt ttcttggaac aatttcacag ctggcatgga actgaaaccc 60
tgctactcag gggaaattag gatcagctct tgtccagttc aagctgactc cactgagcct 120
ccaatggcct gtatgaatgc ccaatgagtg cccttttgac atcagaaggc caaaaactcc 180
accctcagat tgtgccaacg acaccatctt gcgaacgtgg atcctatgaa aagccatgaa 240
gcttaactgc actcgcacag atcagcaatt acctcacttt tccttaccac caattaactt 300
tttccatgca ttggctgcct tgcttcttta ttccacaaaa atccttatgg cccactttc 360
aaggagggag aaatttgagg gnggttatcc cacctcctca cttggctgcc tcatgaataa 420
aatcttttct ccctgc 436

```

```

<210> 392
<211> 178
<212> DNA

```

<213> Homo sapiens

<400> 392

```
aggctgttgt gatatacctgc atggacaagg aaatgatgtt catctaatac acccacttgg 60
gaacactttg atgcattggc tatgattgtc tttctgtttt ccttaccctc atctctagcc 120
ctgtcccagt atgagaacat ggaaactcat tttggaaaat gtgaaatgag tgatcccc 178
```

<210> 393

<211> 263

<212> DNA

<213> Homo sapiens

<400> 393

```
attgatcgca gagttgaaca acagagaatg tgtgcacagt gccaggcaca ggtgtggtca 60
agattcacct gggagaggaa gtgggcaggg gcagaggagt gtgcccacct gagctgaaag 120
gctgcatggc aggtgacat tatcaccagt gtgcgcagcc aggtcacctc tctgaatttt 180
gtggttgcaa cctccatgat tccctagagc tgtttttacc cagaactaat gaaaaattct 240
gcacattaaa ttcatgctat tag 263
```

<210> 394

<211> 267

<212> DNA

<213> Homo sapiens

<400> 394

```
ggccccctaac agtgtcatag gcctgatgga gcagcggaac ctgcctgagg gtaaagctga 60
agttcctcag aaaccagacg gccttacagc ctcttctactg ctctttgaga tggaagagaa 120
gaaatgcaga tgagtgcctt ctgctacaaa tctcatctct ccaagctgaa gttgccaagg 180
aacatgccat cactgtaact gctaaaaaca caacgtataa tgaaatgcat cttctacaaa 240
tgaatctgtg aatacagaat agcctac 267
```

<210> 395

<211> 180

<212> DNA

<213> Homo sapiens

<400> 395

```
gcacacatag ttccttttgg cgtcttatct tctgaagctg cctcaaggcc aagcaaagaa 60
agttgttaaa aagttaagtt acttttcaca gcctgcaaac ccttcaaagg caagaactca 120
aatagaaact tggaaaggca gataagccag aaaagtgtac taataaacgc acttaatatg 180
```

<210> 396

<211> 428

<212> DNA

<213> Homo sapiens

<400> 396

```
atgacactgt gagaagtcag atgtatcatc tcttttgatt accactgggt ctccaggacc 60
tatgtcataa aagattagat caacctgtaa ccagagccta ttaagtgat tccagcaact 120
gtctccgagt tggaagtgtc agccaaagaa tttcagtgtat tgcgttttgt gtacttacac 180
ctgtgggacc agcactctcc atttaagtgt ccagctgctt ttctgattgc ttccccggat 240
ggccaagtca ctgcagaagt ttcttgaaag ctcaaagtgt gccttttctt aaactaccca 300
tggtccacc ccacctcatc ctgtgcctat aaagacccca gactcaatca gcagagagga 360
gaagcagctg aatgttgag agagggact tgacttcaga gggacagctt gatggagtaa 420
ccggagaa 428
```

<210> 397

<211> 285

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(285)
 <223> n = A,T,C or G

<400> 397
 aaactctnat ctcttnccac tgnctntggt attcaagagt ttgtttctat ggnggagcta 60
 atgagtctca tccttgacgc taatcaaatg tacnanagca tcaacagaat taagatgggt 120
 ancgaggtga ggctttgaaa tcaacatctc cgcctccttg cataaaccct tcattgagac 180
 tcctcttcca tttgggcaac ttgatgtggt tcaagagcat ggagaattga tctcttaaga 240
 ctcataaaat atttgcttct tcaaaaagaa taaaggaact gaaac 285

<210> 398
 <211> 169
 <212> DNA
 <213> Homo sapiens

<400> 398
 gttggagatt acatgtctaa atcttgttca cacctatggg attggacaaa attttctcat 60
 gaaactaaga gaacaggcca cagagtgtct tgcaatctat gctgctagca agtgtctttc 120
 tcatgcctga tgttatacaa aaactagcaa taaaggctta ttctttcct 169

<210> 399
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 399
 gaggaagggc tggaccctgt atttgtgttg tgtaccctca ctctaggagg tgtcttcaca 60
 ctaagagatg gccactcagc ttctggcatt atcactctgc atctactttg ccaagcttct 120
 tcttttgaaa cgtcttgtgt aggcagtagt taagaatatg ccaccagaa gaataccaga 180
 tgaataaact taaaaatatt ttgaataaag ctcaatctaa caat 224

<210> 400
 <211> 466
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(466)
 <223> n = A,T,C or G

<400> 400
 gagctgatac tctattaatg gatctagtgc ctaaatacaa agaacagaga gagtctgtat 60
 aagcaaaatt acctgaanaa aggtncgaaa aactgggtccc aggnccntaa atgctgngc 120
 tnnnaaaang nnatntnggn nnaaaaaaac ngnnancccc ttctcccccc ntccagaaac 180
 ctanaattna cgttctacna cttccacaac ccaattccaa cttcctttnt taatatgtgt 240
 aangngtate tgccccatgg gccttctgga tgtgttcate aattctgaaa aactctgaac 300
 tcggaagctc agtgagcccc agggtttggg gtaagatatt acggacctgc ncttnagcca 360
 aaagtgcctn cgctcactct actactgnnc tactgnnccg gacggnggat gtcccncaaa 420
 gccnccctgc tgtggggcag gggggccccc tgctcttttt ggggaa 466

<210> 401
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 401
 gtgggggtctt tcaagctcag gaacaaagcc ttagtcccta caggagaaa gcaatcctaa 60
 ggagagcggc gcctgaaccc ttctctacca tcaagaactc aagaactcag cctaataaat 120
 gtgggagcaa ttacataca ccagctccag gcctggccca taacacttcc tgcattgatc 180
 gggatgcaaa cgatccagtg gaggcctccg aggccttaag gatgaagcag ctggagacag 240
 aagggcctgg gtccctgaat ggctgggagg aatagagccc cagtgcagtc tacttgacac 300

cccaccttga ctctgacata ggcagaaata aattttttaca ctctaaaatc

350

<210> 402
<211> 133
<212> DNA
<213> Homo sapiens

<400> 402
agatgtatca aatgggagac ggccagcagt gatcaagtct tgattaatac tgaaaaacag 60
aagcttgtgc tcacaatccc tgccattaca attctttata gtatgtaagt actttaataa 120
acattatgaa gcg 133

<210> 403
<211> 330
<212> DNA
<213> Homo sapiens

<400> 403
gaaggaggat atccctgcga tcaccaagcc tctaccctta tcttccaaac cagtcaactta 60
ccacagatgt cttgtcaagc tgaatatacct ccagatctga cttctttcct ctactgggtgc 120
tcaatacaag atgctttact ttgtcacaag aagcatataa taaactcaaa gctgcaagga 180
tatactctgta agggaaatct tttcttgatc tggctggcct tgaacataat caccagaaag 240
actttttgtg ctcatatatt atgggtgtaa atgaggattt ttttcctcac ataagaatgt 300
atctagtcca ttataaaatg ttattgatgc 330

<210> 404
<211> 242
<212> DNA
<213> Homo sapiens

<400> 404
tcctgtgcct ataaagaccc cagactcagc tggcagaaga gagaagcagc ttgactggag 60
aaagatgatt cgacttcagt gggacagcta gactttggag gacagacggc ttaacttcag 120
ggaagagcca gctagtgaca accggacttc aggggaagatt acctgcccaa cctgacccct 180
ctccagctcc cctctctgct gagagcaact tctatcacta agtaaaatct tctacctcca 240
cc 242

<210> 405
<211> 289
<212> DNA
<213> Homo sapiens

<400> 405
atgggaaact gaggtccgtg aagtcacttg cctggatcac acagctcatg accagtatgg 60
gtcggcctgg gacacaggca ttctggggct caccaccagg tgttccacgt gtcaccacta 120
gacctcccaa ccaggagacc ctgccgctgc cccagcctgg agacgtgaca cttctcccag 180
ccaggaggct ccagtgaaac cagggattcc ccaggctcac cctgactcct catcttggtta 240
acgtatttaa tcctcatcct gtacatgaaa taaatatctc atctcatct 289

<210> 406
<211> 436
<212> DNA
<213> Homo sapiens

<400> 406
caaaaggaaa gtcacagcca gagaacgtga ctcccgggtga gcctggagcc agcgtgactg 60
cagagggcca gtccccaggt gatgccggta cgctggagaa ggcttgggaa gatgtgcgga 120
gacagacacc tgggacacct aaggaccaag cccagagcca cgctgctgct ttcccagctg 180
ccactgggct gcatgaaggc agaactctc cagtgaagtc aacattcagc tccaacctta 240
agcctccacc atggccaaga aaggcattgc tgctggggga gaaatggaca ttaacactgc 300
ttcaaaaggg tgctgaaaaa cacccttcac ccccgatggc ttagcttggtg gaattcacgg 360
gtacttgcat ctgacctca tgagtctatg tagaaaaacc tggttgagga actggttggt 420
gacaccacaca tcagct 436

<210> 407
 <211> 179
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(179)
 <223> n = A,T,C or G

<400> 407
 atatgtttgt ttattccgaac aggatgcagt ccagtcttgc tgacttagga tgcagcaacg 60
 aggcactatc atggaagtcg aaactgggtc ttcaccacat accaaacctg ctggtgcctt 120
 ccttgatctt ggacttctca gcctccanac cngtaaggaa ataaattctt tttttaaat 179

<210> 408
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 408
 agcttggttg aagtgagtgt ggtctttgct caccagaaaa cagttgagga ttgccacttc 60
 ctactgtcga tatgcccaga ttgttttaag ccagccaaaa acaaacagtc tgtattcact 120
 agaatggcag ttatgaaagc cttgaataag ataaagggaag aggatttcct taagcagttt 180
 ccttgctctc caaactcacc aaaggctgta tgcgctgttc ttgaaattga atgtgctcat 240
 ggtgctgttt ttgtagctgg gagatataat aaatactcca ggaatctacc acaaactcct 300
 tggataattg atggagaaaag gaagctggaa tcttcagtgg aagaattaat ttcagatcat 360
 ctgttggcag tattttaaacg agagagtttt aatttttcat cctctggaaa aaaaaaaag 419

<210> 409
 <211> 409
 <212> DNA
 <213> Homo sapiens

<400> 409
 gaacccagtg gctctgagct cagcacgcga tgcacccagg aatgtggcct tacgttggtta 60
 ctgtgcccac cctgcgaaaa ctgggaagaa atgaagaagt catcctcttc ctgagacaga 120
 gccagcagc cttggggcgg ctgagagaag atgggatcca cgtggcccat agcgcacccc 180
 acaggccttt tctgggaaag cagtcttctc tcggggaagg gagagacacc tgccgaggac 240
 ctgcccaggg ctctcgcaact gacgctgctg tccttaatgc ctcaacagta caggcaacat 300
 gggctacgct gagccccctg tctcctggaa gtctgggtatt ttggtatttt ggcagggtgcc 360
 aggcagaggg tgcctaagac cagccccata aagtccctgg gccttcccc 409

<210> 410
 <211> 443
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(443)
 <223> n = A,T,C or G

<400> 410
 gccagcatgc acggcgcaca ccgtanctgn cgtctggagc tccagggttg ggggaattgt 60
 gttacgcatt gcctgtcact aggtatgagg ctgcctccga tttccacact nagaatcang 120
 gctgcagnc cctttgtgcc catggctgnt gatgcacaca ggattcttnc aaaacaagag 180
 gccctactct gtgactgtna gccttgccat caacactnct ntttggagna nagctncctg 240
 ntggccctga ggcaggagnn ttctgagatc ttnacntatg ctgggcttga tccangcctc 300
 antacaggtg aagaaacgga ncctgtaaaa ntgaagtggc ctgcttaagg gccnnggctg 360
 aaagtctgag gcctgggttn aanccaaacc cnggcaaggc ttttgagaac tccacnttg 420
 ctgccatctt acgtccaggg agg 443

<210> 411
 <211> 96
 <212> DNA
 <213> Homo sapiens

<400> 411
 agattggaga taacttcaat tggattatgc ccctgggtcc ttatcctgac acttcctgga 60
 tgatccatt acaatacat gtgatgacat ctgttg 96

<210> 412
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 412
 acaggaaata tgctgacacg ataataagat gtgagggagg cacatcttaa acttttgtgt 60
 gaagacccaa tcatcatgct gacgaatcac aaaaagatca gtaaagccca cccactctca 120
 caggtgggtgt cactgtggct ccatcacatc agctagacct ggccatgcag tcccaacttg 180
 ttacctacag ttccagctgc caactcaggc catctcactg aatgaaatac ttgcttcaac 240
 attgaagatg tttcctctgg ccactcagag gaaacaccct ataatgaaca ataaacaaaa 300
 ggactc 306

<210> 413
 <211> 219
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(219)
 <223> n = A,T,C or G

<400> 413
 cttgcccccc acttcctctc tccctctttc ctatgggctg gaatattgtg gatttggant 60
 gagccagggt ccacaatgct tgatgantac aatnttttca ngaanacagc anaacagcat 120
 gaagaaaaga aacctggatc tgcaagtgcc taagcagtga gcaagacccc accaacactn 180
 ggccactnct tcttggaaca tccttaataa agttatttc 219

<210> 414
 <211> 457
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(457)
 <223> n = A,T,C or G

<400> 414
 atccatggtc cttctcaaga cattggcttt gttctgaagc agtcccacg ctcttccaga 60
 aatctctatg cgggactctg aatgtgggtca agaagaagat gtactggatg cacattccct 120
 atcaggagtc tcttaatagt ctcccaccca gttacaacat attgctgtaa tcccacacaa 180
 cagctgaaac atcttttctt catttctttt aattcctgta gcatttgatg tctccaccgt 240
 gtaatttaca ttttaattgta agttgttttg catcatttaa tagttgtttc aagtatgaat 300
 gtcttgcctt cccaagaaaag attaaaataa gaatccttta aaaacaagag cttactggng 360
 ccagggccng acttagactt agagtaaacc ncaactactg gcttcacttc aagctgacct 420
 aaccatcttc ccagcgaaga cggncacct ggaacta 457

<210> 415
 <211> 356
 <212> DNA
 <213> Homo sapiens

```

<220>
<221> misc_feature
<222> (1)...(356)
<223> n = A,T,C or G

<400> 415
gcccggaaaa atggagggtta acttcattgt catctgtcat ggaactgtgg ccacaaaaag 60
aggccgtctc tcaggccagg gtggctccac ggtcccagcg acatgcaggg gtcctcttc 120
tcactcttc tgcttgctgg cctggcacag gtaatggcac cgaagcctcc tttcgctatg 180
tttgaacagc gccacgcttt cctatatatt tttatagcag agcctaaggc acagcctggc 240
acaagtgcgg gaaacaagtg tctctncatg ccagctccaa gcggaggctc aacttttcat 300
tgntggttgn caaaaggggc aaanagcccc tgggaaaaac caaattttga caggga 356

<210> 416
<211> 99
<212> DNA
<213> Homo sapiens

<400> 416
gttctgtttg ggctctctgc ttcctcctaa agaagctacc aaactgccac ggttacactg 60
ttttaatcgc cgctcattaa aagaaacact gactgggtc 99

<210> 417
<211> 173
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(173)
<223> n = A,T,C or G

<400> 417
ggccagacct ctgcagaagt ggtgtcaatc acttactcct ttccataagc tcaactgcaca 60
caccacttat gacacagaag actctaccaa aggaaatcaa actacagaac agcaacaaaa 120
ctcaaaannn gnnccatttg cttttgtgtt attaaaatat tttctcagca gac 173

<210> 418
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(463)
<223> n = A,T,C or G

<400> 418
caacaaaaaa tggattaaga cgccaagagt ggagagtccc tgcacaaact ggattcaaca 60
aggacagaaa ggaagcccaa acgctttaca tattgcctgc tttacacccc aggctcaagt 120
ccagaaagtc cctgtgatac aactctccag tgatttcccc tgagggtccaa ctagtagagt 180
gcttaaaaaag tctttgttgt aaattaataa attaatacaa aaccaccaca ctgctatttc 240
ctcctaccta tcttcctgtg cctatcataa gctgtatcac ctggggaaaa aacatttttc 300
agctaaattt agaacaggga gggttttggt ccataattcc acttctagta atagattcta 360
aggaaataat cagattttaga taaagatagg ngatatgataa tattcaggca atgggggttt 420
caatagtgga aaggtgggat caacctaatt tgaaaaatag cca 463

<210> 419
<211> 474
<212> DNA
<213> Homo sapiens

<220>

```

<221> misc_feature
 <222> (1)...(474)
 <223> n = A,T,C or G

<400> 419
 ctctttactg gtgagaagat agcaaaaagct gaagcagaca cagaatccac aagtggaaaa 60
 tacagcagtg ccattaaagg agtgggcatg tggcctatct ctggccctat gaagcaaaaag 120
 gagaggtctg ctgggagact tcctgaaact gctcttcctg gaaggaggga aacaaacaaa 180
 acaacaacaa aagaacttta caagagaaaag ctttttatcc cagcccttc ctactcccat 240
 tgaatgcagc tctgtgagga cacgatattt gaagctgcag tagctgaggt ggcaaaaagat 300
 ggcagaacag aagagcagac agaactctggg tcctagatga cttcattgca ctgntgcaac 360
 tgncttntnc agancntttg gcnnngggna aaaaatnaaa nggentcntt gnttaanccc 420
 ctggganact anattntgtt ctttgccact gaatgcatcc taatgctgga actg 474

<210> 420
 <211> 477
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(477)
 <223> n = A,T,C or G

<400> 420
 accttngcnn gaaacatgaa tgctnacacg cagtgggtgca ccacangeta ttgcactnag 60
 ngagagcccg atttggttngc tttgngcccc tggantggaa tcccagnngg aagatngnna 120
 tgagagtcna ggnctacgga tgttntctata aatcagacgt tgctgncttt gatggccnna 180
 nctnacttct gnacaggntc aatnaaaaagn tgatnantac tntcaaanat gtgatctncc 240
 tgaagttcaa natcatgcna ggagatgggg tcctgttcca tggagaagggn gggggggggag 300
 accacatcac cttggaactc cagaaaaggga aggctcgncc tacacctcaa tttggnggnt 360
 tgtagtctc cttgaagagg tccttcacat cccttgtaag ttggaaaaaac attccatgct 420
 catgggtagg aagaatcaat atccgtgaaa atggccatac tgccaaggt aatcttg 477

<210> 421
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 421
 gtttatttgc aagatgggtt tgaggggaatc aaggataaag tctgctgaaa gtagtaccag 60
 cctctggatt aaaagggatg tttggatgaa gcttcaatct caagaagagg caagagaaaa 120
 ctaaagaaaa agattattct acagaaacaa cacatcactg gatgcctctc accatgcaat 180
 cctctgtgca cttgagaaga agacaagact ctctatttt tagatgggaa agctgaggca 240
 aaacggatgc acttgggcaa aatcatttga taaaaatgga agctgaacct cc 292

<210> 422
 <211> 98
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(98)
 <223> n = A,T,C or G

<400> 422
 agagctgact ttanagggat caagaatatc tagntggatg gaaggagggt aaactcaaag 60
 gacatgtcat gaattcctga accacaataa atctgtga 98

<210> 423
 <211> 103
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(103)

<223> n = A,T,C or G

<400> 423

```
aaattccnng gactaancnt gancacaaact ccatcggtt tgaagattct gtgccttcta 60
nttctgccta agaataagaa gaacttaata caaatggaaa att 103
```

<210> 424

<211> 376

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(376)

<223> n = A,T,C or G

<400> 424

```
gctacctctg ctcaactctgc cctgataaca ctgaatacag gaactgtctc catcacccag 60
aactcccggg accaagcact cagcccgaca cgtcatactt attaaaaaca cggagggtcgt 120
gagtggattt ccacgtattg ttctagatga tggagaggcc tgaagagtga ggagtgggga 180
agaaatgtca tcgctgtttt cacctgcacc cttgtttcag agaagtgaat agtcattcat 240
ctctgggtcaa caaaatgata atagtagcag caacaataat attctctttt tttgagcact 300
tcttatgtgc caagtacttt atgtatgcat tatcataaat aaagcttttc accattncct 360
taattctttt attttt 376
```

<210> 425

<211> 78

<212> DNA

<213> Homo sapiens

<400> 425

```
agaaaagcaa tgtcttgcag tttggtggga gagagtatgc agtcaccaac atggcatgaa 60
tttaggagtg aataaacg 78
```

<210> 426

<211> 330

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(330)

<223> n = A,T,C or G

<400> 426

```
tgtgagggtg aggacctntc ctggctttca cttcaaccc tcacctcacg aaggaggaag 60
gtgcagatac tccatagggtg cttaggagtg tnagtgttna gngactgctg caagaaaaga 120
ggagatacga tctgatcact tagacttcaa atccaaacct tgaaaagtcc caccagtggt 180
aggactcttg ccgccttgag agaacacagc tgatgtccgg aagcaatatt gntaacntta 240
ccaataantc caatcaaacc ccaaaaaaaaaa aaggccccgn ggcccattta ncttggantt 300
accaggctga acttgnttaa aagggggggga 330
```

<210> 427

<211> 291

<212> DNA

<213> Homo sapiens

<400> 427

```

tgatcctaga ccatccccct tcgcccttgt tctcaactgg ctgggaagat tcaagagagg 60
cttccaacct gctggcagtg acggatggca gtgcagaggc acacaatggc aagtgcaggc 120
gcgtcaccag ccttgacgct ggccttccaa agaaagaacc aaagtcgaag tctgtcctga 180
cagaggctga ttttaattaag gttatagcaa agggcagaac tgccctgtggg ctgcattctc 240
tgcagagggc caaagacaat gcattaaaat acttctcagg aagaaaaaac c 291

```

```

<210> 428
<211> 304
<212> DNA
<213> Homo sapiens

```

```

<400> 428
atttctcatg gaaaaggacg gcctggagcc tttgaacagg gtctgtgtct tcctcctgtg 60
tcagcaatgg gggaggaaaa cgagcgact acggggtaaa ggaggtcacc caagatctca 120
agttcacgag tggcagcctg gattcaagtc cctgcctgcc tccagaacct gagctctgaa 180
acgctggact aatcagaacc tcttggccct gaaaaatgag gcctattgaa cagagacatt 240
tgtaagaaaa gggactatta caacctattg taaagtaaca agcaaataaa aaatgaaatg 300
gcc 304

```

```

<210> 429
<211> 248
<212> DNA
<213> Homo sapiens

```

```

<400> 429
gcgattactt taaaacatga aagaaattgc accttttcct taagggcaag atggtgctgt 60
gggctttcct ctctcctgat gagatgatgc aaatggactc catagagaaa cgctgcccgt 120
gtaacaatgc agttacgcaa cccgggtgcat gacacatgaa ttgcagcgca cctgagatcc 180
tgatgaaatc ctggggagcct ggagctgtca aacatggttt taaaaaataa aggggaatata 240
cccagccc 248

```

```

<210> 430
<211> 460
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(460)
<223> n = A,T,C or G

```

```

<400> 430
ctgctccgct ctgtccggag gcttcctgaa ggccctgtgt ctcacctgcc cttagtggga 60
aaccttctat tcatctgac tattttcttg tgggggtggt caaggggccc attatgtctc 120
catctccctt tccaagctcc aaagatnata tggtatgggg gcttgccatt tgtaatctcc 180
accaaataat tcattattgt tggaaaagct tggattattg gattttgggg gaccttgtgg 240
ttccttgccc aaaaatccca ttgtccaaaa ccgcccattg gtgggatggg tgggtggcttt 300
tcccttttgg cctttcttgc catggatttg gaaaaagttt tcccttggag ggccctcccc 360
aagaaaagcc caaagaaaag aatggcccggt tccattgcct ttccttggtg acaagtcctt 420
tcaaaaaaaa cgaaatgggt gtccaaattt aaaaatcttc 460

```

```

<210> 431
<211> 176
<212> DNA
<213> Homo sapiens

```

```

<400> 431
tctcagcgga tgatcttata tcctgctaca tctagaaaat ggaagccatc agactccatc 60
ttctcaccac tgaggctaca aaagatatct acacctgcaa ccttttcctt ttttttcttc 120
ttcccttttg ttatgatgta taaagtgtcc cttatctgat aaagagctaa tcattc 176

```

```

<210> 432
<211> 301

```

<212> DNA
<213> Homo sapiens

<400> 432
gtgcctcggg atgggaaact tcctaagatg ttgttttggc tgtaaatacat gcggccctct 60
cagagcaatg catttgtgtg atttgcccaa ttgtgcatga gtacagtcag catggaaatc 120
cagttcaaac tgcagaagat cagcacctgt gagctgaaat gtgcatgtgt attttacagg 180
gtggaggata gtgaagacag attcaagcga taatacatca ggtttaaata ttctataaat 240
gagattggat tactgcagct gataaacatg gaaatgagta attaaaacat ggtgtgtaag 300
g 301

<210> 433
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

<400> 433
ctctttcaga tcttcaagaa tgtttaagca taaaaagaag ccccgagacc acaagggtga 60
gaactaccat cctccccgct ctccggatgc tcccacagcc tgggctcccc agtgcagagc 120
cagcaccaag caggagatgc agtacagtgt gcccaggacc atggcagcca tcacatatgc 180
cctccactgg ggaacaagaa gtgcgttagg ctgatgtact ccactccacc tccatacgtg 240
tttgtgcagt gacaccagcc tggagggcct tctatcgcca tctccctcct ctgtaaatcc 300
taccactctt ttgagtcttg gncccagggg ctgntgctct ctntntctca aatgatttct 360
gtgttctcat ttgtctctgc cttctctggg aatctttggt gccacagggt aatctcctgt 420
gtgtcactcc tgacttcgga agc 443

<210> 434
<211> 288
<212> DNA
<213> Homo sapiens

<400> 434
ccgtgcttcc caccaagggc tcttggatgg aggtgtcaag gtgtgaagac acagcccacc 60
tagagaggag agactgctga cctgctaact gaaaatataa gcaagccctg acatgccaca 120
ggccgtcgga agagacattt gcttttgagt acccagccta ttctactctc tgacttatgt 180
agatgggaca aatggtgccc tgggcacact catctacaca tcagcctgaa ttagctagta 240
aatcacaact gcagtagcta ataacagcca taaagccttt tgaatggt 288

<210> 435
<211> 383
<212> DNA
<213> Homo sapiens

<400> 435
ataacagcac tatgggaagg aggaagaatt taatgaaagc ttgtacctgc tggctgaaac 60
taagcagcct atttataaac tgctctgaaa tgccaggagg caggtaactc ccaaataaaa 120
aagcaagcag gtctctccca ccatcagtgg gatggctgag ctgtctgtgg tgcccttgca 180
tcttgctgct tcgctgaccc tgaaggctct ccccgagcctc aggcgaccaa gcctacagcg 240
acctcaagga gcagctgcct catcagtgtc tgtaggaggc tcaggatgga gagggtctct 300
atgcccccat tttgttcctt tcttttgctc tcttttgact tccctagggg agggaaaatg 360
tgctatgaag ttaaaagagg aat 383

<210> 436
<211> 251
<212> DNA
<213> Homo sapiens

<400> 436


```

atagaaaaga agataaacac tcaccgcaga gagttggctc catgtggatc tcaatggctt 60
atgggtgaatc acaatttttt catctgactt ctgttctttg ggctctgact ctccatcaga 120
atcaatgtca agggccttct ccttgtagtt ttgatacagg acagcatttt ctgcaagaaa 180
acaaggccta tgtgtcacta attgttctca atcattatgt tacttgttct aaataaacat 240
catatgtacc c 251

```

```

<210> 437
<211> 220
<212> DNA
<213> Homo sapiens

```

```

<400> 437
gtggcttgaa atttgaaaca ccatatgaag gttggggagt ctcagggaca gcccagctgg 60
ggatctgaag ttgctggaga agattttgcc taggctggcc agcaactggc agacaagagt 120
catcctttca caatgctgga gacagtagac cttcttcagg accacaagca agtcaccatc 180
tctgggtcac agcttctcctc attaaaaagt tagaagatag 220

```

```

<210> 438
<211> 229
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(229)
<223> n = A,T,C or G

```

```

<400> 438
gccctggcaa cnactattgc cttttctgct tctttgagtt tgactatcat ggatacttct 60
acaaatattg attttcaaga tcaggaaaaa taccgggacc agaagacaaa ttccagagcc 120
acctaaattg tggagtctaa taaaagattc ctttctccta atgatgtgac catccaaagg 180
atacactctc agtgtaaacg taaaccacga ataaaaatctt atcatcacc 229

```

```

<210> 439
<211> 309
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(309)
<223> n = A,T,C or G

```

```

<400> 439
cagttttctg cacctgcctt ggtatttgac aactccagcc aattttccac ttgcttcctc 60
accaatgctt cttcagcttg aagactaaca tctagaagag tcatgaagtc taaagtcaag 120
aggagtctta tcttctagaa agtttttcaa acatcccaac ctcaaaaagt ttggctaaat 180
ggtgttcttc tacagcccca cacatgcaaa catctttatt gcacttgtgt cattattttt 240
tcttcgtata tgtgnttttc tataagtaca tttatatgaa ggnatatttt gaaataaaga 300
cacttcctc 309

```

```

<210> 440
<211> 756
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(756)
<223> n = A,T,C or G

```

```

<400> 440
ntcaacaaac ttnaacttnc cgggnttgaa aggacaaaac ttttttcggg gctttttcng 60

```

```

tgggggggaaa ncaaacgggt ttnaaataaaa cntntnatat anaccccccn cnccttttggg 120
aaatcngggc catttnacna aaaaatgaan tnggcnccca agggttttcc gggcccgttt 180
ggggtggnaa aaggctnttc cggttttgac tgggggcaca aacaaaaaca aatccggctt 240
gctcttaatg cccgcccgtg gtttcgggct tgtcaagcgc aaagggggcc ccccggtttc 300
ttttttgtca aaganccgac cttgtcccgg tgcccttgaa atgaaacttg caaggacgaa 360
gcaagcgccg ggctatcgtg ggcttggcca cgacagggcc gttectttgc gcaacttgtg 420
ctcgacgttt gccacttgaa ancgggaaag ggactggctt gctattgggg cgaaatgccc 480
ggggcaanga tctcctgtca tctcaccttt gctcctggcc gagaaaagna tncatcatgg 540
cttgatgcca atggcgggcg ggtgnatacc ctttgatncc ggttaccttg gccattcann 600
cacccaaccg aaacanttgc attcgaaccg aacacgtacc tcggaatgaa acccggcntt 660
gtccaattca agaagatnct ggacnaaaaa caatnaaggg cttecgcgcc acccccaact 720
tgttcgccaa ggcttnaaag gggcgccattg ccccca 756

```

```

<210> 441
<211> 599
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(599)
<223> n = A,T,C or G

```

```

<400> 441
ccctgtgtga ctcatggaaa acaggggagt acgggtcaag cagagaggaa tgtgaactta 60
gtgggtaatg ccataaacct ttggccagga cataagcagt agaagcagcc tgcattgtgc 120
atccatgaga aggccccgtg gtgactgcag aggcaggaaa ccaggtgtca gtggagacaa 180
aggagtcttc ggcgcggtgaa atgggacttg gagcagggcc cgacgggagg ggacagagga 240
tggctgccag ccagacagtc ctaactcggg gaattcagtg accacagcat ccccggttga 300
cacggctgtg aggccttcag agcatcacca ttcagtcacc cctttttaca ctggggaaac 360
tgaggctcaa ggaagtaaag cagaaatgcc tttagccttg gcaagaaggg acctgtccta 420
nccctgcatt ttgggagcag tgcttcttca actacctaan gcaaangacc catttggttg 480
tcaacctctt atcttgttca nactgatagg ttaataagaa acaataaaaa tgatttgccg 540
ggcaaggnng ntcacacctg taatnccacc ttttggagnt gacccggcag ataacctga 599

```

```

<210> 442
<211> 512
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(512)
<223> n = A,T,C or G

```

```

<400> 442
caagaacttg agacggggat cttccttttg taccgggccc catngnttaa nncnngnatt 60
ccnaccnttt tggaggtccg aggcgggncg ggntcacgaa ggccaggagt tcaagaccag 120
cctggcctat atggttgatc cttctagtct cgtggcagaa cttttagtag accaagcgag 180
aggggcagcg tgttctggac ctcattcctc acacagggct cacctccgga tgagtcagag 240
gccttagccg gtggcccagc cccgggaatg ccaccccggt tctgtaccct gccaggcca 300
gctgacaggg tgtattgggg cacacacctg cagcatccag ggcaactcaa ggagagggac 360
gtacttttga ggagaagtct aaaagtctaa gtccaccacc tgaacttggg gggggaangg 420
cttctatacc aagagggctc cccgctgttt cttaaaagcc atttaagcag aatgacgtgg 480
ctcttcaata aagtaaaaaa gggtcattgt gg 512

```

```

<210> 443
<211> 223
<212> DNA
<213> Homo sapiens

```

```

<400> 443
gattgctccc tttgggagac accagccacc attccatgag ggcaactctt gagagggttca 60

```

```

aatggaaaga atctgaggtt tccactaaaa gccaaacta tcttgccagc catgtgagtg 120
agtcaccttg caaatggatc ctccagccca tcaggtctac aaataactga agcctcaagc 180
tgacaacctg actgtaatct cataaagtca taattgacca act 223

```

```

<210> 444
<211> 618
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(618)
<223> n = A,T,C or G

```

```

<400> 444
gctggagtg agtggcagga acacggcagc ctcgatctcc tgggttcaat cctcccacct 60
ccgcctccca agtagctgga actacagatt ttaacaatca gactcaggtc aacagtgggt 120
gagataatgg ccataattg gctccagaat gcaaactgga catttctcca ggattccatt 180
agctcagaat gacaagggtga ctccctgccc ccacctccct cacaagatgg ctccccgggg 240
cttcctctga gctctgtccc tgtcctgcac ctccctgtgg ggacggctga gctgctggtc 300
ctattggagc agcatgaaca ccttgctggg tgttcagtag ggagaaaagc tcatgaagga 360
atgaatcaga gttggatgct atgcatataa atatttaggc ctgtaagggc ttctctttgg 420
tgatctgatt ccaccacata ccagggtacct cagcataatt caaacattcc tgcaggaaaag 480
ggtcataatc tctgctctat taaagtccaa tttatccttt aaatgaaatc tactcacagt 540
cctgcagatg aagactactt nctgccgatg accacagcgg ctaagangct gaggcaggag 600
accgcttgac ccagaagg

```

```

<210> 445
<211> 459
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(459)
<223> n = A,T,C or G

```

```

<400> 445
agtggggctc cgtttggttg cctgtttact aaacgtttca gaagccggaa gaaaatacat 60
tggtgagaac atagcaaaaag cagctcttct tgacaaaaat ggaaagaaac atcctcaagt 120
ttcagtgctc aatatatttt ccgatcaaga ctacaagaga tcagtcatta caatagcaac 180
ttctgttgat aagttggtgg acaagcgcaa ccaagcctaa aggcaagtgc tgttgcgagg 240
tcgacatcca ggaaccagag gagggcagag caatccacag aatggatctg gggtgactca 300
tggaggaaaa ccaacacaca gtaccattta attcttttta aaaagatgga aaattatacc 360
ataccngaa ttactaaatt cttaaaagag ggggtttntn gcattccatt tgnaaaaana 420
ngtttcccca tgttctttta aaaattcatt ttaaaccac

```

```

<210> 446
<211> 403
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(403)
<223> n = A,T,C or G

```

```

<400> 446
gccttcagac tcagattgga aactacagca atggccctct gtctctcagg cttttgaacc 60
acaccaactgg ttttctctggg tctccagctt gtagatgact aatcatgaga cttcacagcc 120
tcataatcg gaatgaaaac aatggctagt cctggattgg tcatctttta ctttgatgag 180
atgctgaaaa tgaaagccag gactgagggg agattgaagg agtctgaacc tctgacaaca 240
tggagtacca taccaaccct ggactatcta cctccagact tttacatgag taagaaacac 300

```

```

ctagtttgnt caaaacagta ttaatttgga tctttgntac ttgcagttaa acctaatacct 360
gaaataacctg cattctcttg aagtaaatg ctttcaaaaa cct 403

```

```

<210> 447
<211> 635
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(635)
<223> n = A,T,C or G

```

```

<400> 447
tnccannctg aggcccaatt ctgtnggaat tgctttttta aaaaaanttn tangnntnan 60
ttngaantnt gcctgtccan atttgngggc cagagattta gacctcacc ctcaaggcct 120
tattcctcac aaaagccata tgtaaaactg gctgtccac aagggtggg atcctgtgtg 180
tctcattccc cactgtgtca tcaagtggc agcacaaaac agagctcagc aaatgcttgt 240
cgaataaatg aatgaaaacg tgctcagcac agggaggtta aggcaccagg accccatgga 300
gagagagtac atgctgagtt ggctacatct gtgccaaact gtgaaagatg acaatggaga 360
tatttctctc tacagtttct gaagatggac ccagcccaac acttctttcc atgcctggct 420
gtttttaact gcaggcacag cactagctgg tttgtctcaa agattatggg tcaaaagaga 480
actgagagac aggcaagtat cccnccggc ggacatactt tacttgccgg caatacatag 540
tgctcttctt gcctgacaat tcgaacaagc agcttgactc tgtatttgag gccccactcc 600
cttttggtcta actagaccan actaatttac tcatt 635

```

```

<210> 448
<211> 81
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(81)
<223> n = A,T,C or G

```

```

<400> 448
actgaggttg tgcaggaacc cccagacacc cgccccgggc atgctncaca cangnggcgt 60
gccccctgca caaaaaaaga a 81

```

```

<210> 449
<211> 616
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(616)
<223> n = A,T,C or G

```

```

<400> 449
gttttgaatg gtgctgtttg gtcacaacat ccacttgctt tgagggtattg ttggccttgc 60
tctgctnaca ttctgagaga tctgcactcc aggcaccttc tgtggacatc aagctcacgt 120
ttaccgtcg ccactgaatt tggccacctt cccccctcta ctgtgcttct gcgctacaac 180
tgtccccctg tttattcaaa catggagttt tctttcctat ttatttttgt ttgctggcat 240
ttttagagat gagactgcag aagaactttt ttactatgcc attttaaaca cagctatctc 300
atgatttttg taaaatccag atataattgn tgnctttttt tattcttgcg taaagtgtga 360
aatcttgcac accttcatgg nattttgtaa tcagcccccac ctatttcacc ttcatcttct 420
gctgctnct cccacaactt ttgtttggct acaagatgat atcataccaa atcctcagtg 480
gcaaaatgtg tttctnctga attcataaca taaaaaaanc cattaaaagg ggggtangca 540
tacctgataa ctattactgg aataaaaacc cggactcacg ccttaga aan aaaaaagggt 600
atcaaagggc aacaaa 616

```

<210> 450
 <211> 617
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(617)
 <223> n = A,T,C or G

```
<400> 450
tgctgctgga gctgattccc ttccctcct catctnccac ctnccttcag tntcacatac 60
acacacagat gctgccacag acacacgcga gcgcaaatat ttacacactg ccacaccgaa 120
gaaatccatg cacgttttcc tgcaaacgcg cgcgcgcaca cgtacttcgg cgggcgccca 180
cgtcctctgt ctcaccaaca gacacagaca ttacacttc taggccagga aagcgctaac 240
cagggccctg tgactctacg cagggtccag aacacgcctt ctacatttgt tactgaaccg 300
atcagcgaac acagacaaac gtgccaacac ttaaagtcta ctggctggac ttcatctnca 360
tggcaacaaa gcatggaang naaagagttg atttcagaag gaactgngaa gaagcncaac 420
aatgngccca gtgataatga gtagnaccta tgnnggactc ttnancttaa angantggca 480
cgaaagatta nctttnttat tgctctngac aaaaaaantn gntttntttt tggnggggaat 540
ttgggnatct tcttgggact tnttttttcc cgatggcttc aaatcctggg ngacccttnt 600
tgnngcatgg ctcaatt                                     617
```

<210> 451
 <211> 203
 <212> DNA
 <213> Homo sapiens

```
<400> 451
ttttcagatt cttccagcaa tgtactacaa atttctgggg aaaaggaacc atgtgcccct 60
gccaaagatgc ccagtgcagt accagcaaga tggccaacgc ctagagctcc cttgttgatc 120
tgaaacctcc ccttttcctt acttctccct ctgttcagaa tgtgtagact tctctaagct 180
ttgttaaacc tgtttacaac ttc                                     203
```

<210> 452
 <211> 445
 <212> DNA
 <213> Homo sapiens

```
<400> 452
gtgttggaag gatgtcagat gagagctggg atggggagag gaagtaagga ggaaagataa 60
gcagctccct tccattctga cctgctgtgg caagaatccc gggactagca agaccaacag 120
gatgcagctg gcttcactga acataatttg ctattagcat cttcaggaac acacactgct 180
ggataaattc ccttcagga gaggccacaa ctgaccacta catggaagag acagctgctt 240
cttcactagc caatgaggca tccccaccca agtgtgacca aatgcctctg aggtcagcc 300
cctcactcca gaatgcccc aggtacctga ggatgctcca gatttggggg ctgcaccgtc 360
tgtggtttct ctacattaaa cagtattttt gtggagtcag ggggtgagga gtatgggtta 420
cttttaaata taggtttgcc aactc                                     445
```

<210> 453
 <211> 460
 <212> DNA
 <213> Homo sapiens

```
<400> 453
gggcctgaga atgtcactgg ccagaagaag ttgagtcctt agtgtgttga cccaccagtg 60
ctctcactga ccaactaagt gactgggtac aaattaaaga ggagaatttg aatgtctggc 120
tgtctgggaa ataaaaggtc agagagttga ttagcaccat caagcccca taccagaat 180
catggagaga aacagtggct cggacctcta agcggcacct ccaatgactt tctgcacct 240
tgggggattc cctcgcccca ttttttatcc cattgcccct tctgtgccag tctcttctc 300
tgcgaggaag tggtttgaga accctaataa cgaatccaag gaatcctttt tgtttggggc 360
agttttctgc aggaacatc tgtgtgcac ttagttgtca caggctcggg caaatgtaga 420
gatgaataaa ttttaaaaaa aaacaactac aaaaatacac                                     460
```

<210> 454
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 454
 gccctgccac catgccatga ggaaatggaa agaccacgtg gagtgggtcac atataaatgt 60
 tccagccacc agcctcagca gaggtcccag cccacagtc gcaacaactc cagacacgtg 120
 agtggcagca agatgatgcc agccgcagtt accatctgat tacaacttca taagaaaccc 180
 tgagcaaggg ctgccagct gagttcaagc aacgccccag acctgtgggt gatgataata 240
 aaattattgt tgttttgagt c 261

<210> 455
 <211> 591
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(591)
 <223> n = A,T,C or G

<400> 455
 gaaaagacag aagctgattg aggtcccagc ttggtaacag tttgaagagt tgcaggactg 60
 gctggatgag tactggctgc agcaaatcag gctgccagga ttctttatgg ctgtttctgc 120
 ttccactaca gctgagtcag aaaggctcgt gccccgtggg ggcactagac gcagtggacc 180
 tggcaagcaa atgtttccgc tattagctct cagcaacaga gactcattta tggtcacctt 240
 ggaaatctgg gcttatcgat ctacagccca agtctgctga gaagctggag cttactaaag 300
 gggaacctg agagctgttc aagccccaaa tattttccac ttctgctca cctctgctgt 360
 ctgttagcag agtggaggag aaaatacaca gcacaaacaa cgtgaaaaaa tagttactct 420
 attcattaaa agctgtaact tccagattgg acttgagaag cattaagca acagaggacc 480
 ctcatctact atctgtattc aagcatgctc atgaaaaaca cgctgctcaa ctggacttan 540
 aaggaaccgg ngcatnacan gcatttcttg acagaatctc gtgggcctgg t 591

<210> 456
 <211> 475
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(475)
 <223> n = A,T,C or G

<400> 456
 gctccttggt taagccaaaa ctgntaaaga ggaatcaggc tcagagaagc tnaagaagcc 60
 ggcttgagtc ccagctagca aacagcaaag ccatgatttg gacagaagcc tgtgtgactc 120
 caaaacccac gctcttttca ctgtgatgca cggctaatac tgagctgagt gatgggaagg 180
 gagctctctt tgnnggattt tcangatacc ttcaaagatc angntggntc tgtttgcaga 240
 cccaactttg caaaggacaa gcntgtgtct tnactcacac tanctcggn caggttctga 300
 gccctttttg aatnggaagt tatttaacct gatcacanca aaatgaaaga ttatttgaaa 360
 accngggatg tgaaattctt ggaacccaaa gaaaattatc ccatgnttct ccaagnacct 420
 ttgccacccc ttgtggnctt gctaggncac atggacccca aacctttcca gaaga 475

<210> 457
 <211> 145
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(145)
 <223> n = A,T,C or G

```

<400> 457
gtgctgggtca ccttacccaa cctgcggcct ctacacagag aggccttggg ggagaggaaa 60
agcttctcca gtgattgatg tcagcagctc acccganagc caagaacatc anaggtggga 120
tgatgatgct ngtggtatg agaca                                     145

<210> 458
<211> 434
<212> DNA
<213> Homo sapiens

<400> 458
cagaattggg acatattcca cttggggcta ggagccaact cctttccctg ctgctactgc 60
tcactccctc tgtctcatcg aggagaatgc tccaccagg agcacagaat gaaaggcaca 120
gagtatagtt tccagaatcc ccgcatttca gtgttcccaa agggctgaat tcttgtcaat 180
agaatgtaag tggaaatggg ctatgtcact ttctgtctga agagggttaa aagaagggtga 240
actctcttca tctgcagttc ataagataga aggatcccgg gtccctgaat gacctcatgg 300
aaggccatct aacaggaaca cccacattgg actgtgatat gggcaagaaa taaactttaa 360
ttgcattggg tcagtggaaa gttttatctg ttacggcagt tacttctact ttaataaata 420
caatgcatta tctt                                     434

<210> 459
<211> 493
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(493)
<223> n = A,T,C or G

<400> 459
tctggggagc tcctgcatta agtgagganc tgangaaaca ngcantanca accagaagac 60
aggaggcaca agaagttagc aaagaaagcc acctacttct tccgccttaa tttctctaag 120
cacttatcaa gcagaagaat cacagaagaa tacaataaat ggtctagaaa ctgcagtgat 180
gatttactaa aggaagagcg tggttccccg agcaatggcc ccctcctcga gcccgagac 240
ccactgccct aaatgaggac agacatttgt ttttgcactc aaaaaagttg cttgtgtggc 300
cgccatgccc cctaattctg cccccaata aactcgagac cttagcgggc acgactcaa 360
gtggctgaac atggagacca gcagaacagt gccggcggaa tgacatggcc gagaaagaga 420
gaaagangag ggacattttg gacccaagg gaaatttggg ccgggggtggg tngaaaaaaa 480
atttggccct tga                                     493

<210> 460
<211> 404
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G

<400> 460
aggcccagga gaaaatatga acaaaaattg gtgaaggcca tcaccagacc tagcagttgc 60
atcctgttca gcaccacaga cagctccctc gcaaatgcca tcctttcaaa aggtaccata 120
cagaagacag ctactgagat tctgcagatt ttctaaaagt gacatttcta ttacacattt 180
cttcttttca gcaactgtcat atgtaatggg atgcattatt gcgttgtgta cattttgtga 240
tacatcatca atctgtctaca ctacccatt aatccattca ttcaataaaa tacattgtta 300
tgtgccagat actcttagac aagtcactta cccnttagc ttcatttcct taccctaaac 360
ttgnggatca ttatacatgg ttgataacta aggaaaggat tttg                                     404

<210> 461
<211> 583
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(583)

<223> n = A,T,C or G

<400> 461

```
gatctccacc atctgggggn acacggggaa ctggnacntt gggngggggcc tcaanaactc 60
cttcaacnaa ccctttccac tggcccgaac ttnttgtgca ttnccacaag cttggcgacg 120
gggtggatgc cttgcctttg gatgggaaga atccttgcaa gtcaagacta cattccttgg 180
caccaagggtg gccaaagccc gtaccgaact tggtctggaa gcttaccttg ggcaccaaga 240
aagaaatgga cctttcttct tattgaacaa tttcttcaaa cttgggcca ngggttcact 300
ttcaaacctt tcttaaaanc ttggnntncc aagcccacac caagtcaagg gggaagtctt 360
ccttggtatt ggaaangnac ttggggtngg ttttgcttgg aaaccgggct tggaaattgg 420
aangggcccg gggaaccgc cacccccacn ttaccaacc ggtngggng gaaaattggg 480
gcattttacn aaccgnaaac aaagtcccc ttggcattgg aaattcccc tnttttttgg 540
ggggaaanaa agtnccccgg aacnttgggc aagaaaccgg aac 583
```

<210> 462

<211> 339

<212> DNA

<213> Homo sapiens

<400> 462

```
agaaaagtca gcaaaaactg cacattatac agggcgacag gcatggcagc agtttctggt 60
gcacatgttg cctgtctccc ggtgacagaa gataacagag gactaagagc gcacatatac 120
ctcaagagcc ctaaggctgc cacaggagg taaacaactc caccagcac tgctccaggc 180
cggcacaacc atcaactttt catgagcggg cccactggct gctgtctgga atgaagaatc 240
ctatgttget ttccagcctc acatttcccc tttgtgtact acaaaatagg agctgtttca 300
ttagaaacat aaaacaatga ggaagaagct gttattgac 339
```

<210> 463

<211> 662

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(662)

<223> n = A,T,C or G

<400> 463

```
ngggaaannt accnnggctt tatttnanaa attganccgg gcgggccttn ccaacttacg 60
aanatgcttc aanggagga gccaaaggaaa gtggctnttg cttggggggc gccccacaac 120
ccttgctccc ccgatgtcca cccgtggatc cacatcccgc cagccgaaga cctcccgtgc 180
cttggaacct tgctgtcttg ggtcccctgt tcaaacaccc ttctttatgg aaacaccttg 240
cttgcccttg ggctttcata agccatttcc gccctacttc ccgtggaaaa gttctaagg 300
gacaagggga aagaaatggg gtttgggcgg aaacgttgga acccgggggg ccccaaaggc 360
ccttaattgc ccttnccacc cggcccaaan gtnggccctt ggaaacattt cttngggggc 420
cccttngaatt tttttngggg gcatttcttt tcattggaaa caattttctt ggnttttatt 480
tcaatcaatt tcccaaaatn ggtttgggtt cggttcccaa nggcccccaa nccggaattt 540
gnaattaaan ggganngggc ctttcttttt ntaanggggc caanggaaag cntntttggc 600
ccccggnnng aaccttgttt ttncccacc gtaaccnttt tatttttttt ccatttttcc 660
tt 662
```

<210> 464

<211> 459

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(459)
<223> n = A,T,C or G

<400> 464
ataaaggaat actagacatc aaaangttta ttacggngan ggacatatag tcaccccttcc 60
agtttaagat ctaagagcaa tactcaaaca gaaatcaaata aaatgtctat gacaattaag 120
gcaaacatac tcatttgtct acaagcaaag agcatttttg aaagaacact cccttggttca 180
aattttggtg aactgggtgt ggagacaaaa gtgactccat ctgggatgct aatctgccat 240
gttgacttct gattaacccc agtctgggga atgcctctaa gatttctatt tttatttatg 300
tatactgtct gtaaaccctg ttcttaggcc aagacaccct tgatgttate aaatcctgcc 360
cttaggctat gacacacata acattctttc ctttttctgg anaggggggc ttcaattggc 420
cttatacatt ccttntaaag cacatatacc ctttctctg 459

<210> 465
<211> 476
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(476)
<223> n = A,T,C or G

<400> 465
gctataagga tgtgtttact gcagagacaa acagtaagaa agtatacaaa attaaagaaa 60
aatgacagtt atctttacct atcacttcaa gttatttctg tcaagaggta atgacagtta 120
ctgaaaaaag aagttctgga cctttttcat ttgcaaactt atttttacaa atggcttctt 180
ttcacataaa ggatttgtga tggtttaatt ttgtgtgtca acctggctgg gccatagtgc 240
ccagatattg agtatatcat tgttctggaa gtttctatga aggtgatttt tggatgaaat 300
tatttaaat ggtggacttt gagtaaagca gattatcctc catgatgtgg acagacctcc 360
cccatcantt gaaggaccgg gccaaaatga aaactgancc ctttgaggaa naaattctcc 420
aancanatgg cctttggtct gtttctctgg agaactgnga ctaatacagg ttcttc 476

<210> 466
<211> 218
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(218)
<223> n = A,T,C or G

<400> 466
ggcctcttgg gggaacttcc ctgcttttaa gtccanaacc tggagantga ccaagaanca 60
cctcanaagg ccagccaccc tcaanggagc aacccattgg ncccagactt ntcgcacgga 120
tgccagaaaa actttnaatt ggaaggaagg cttgaaggtc aacaatgggg naaanaagtt 180
ttttaaaaaa ataaaaaang gggagcctaa tattgtgg 218

<210> 467
<211> 82
<212> DNA
<213> Homo sapiens

<400> 467
cccgtgcatg gtggcttgtg cctatggacc cagctgctca agaggctgag gtgggaggac 60
tgcttgagcc caagaagtcc aa 82

<210> 468
<211> 90
<212> DNA
<213> Homo sapiens

```

<220>
<221> misc_feature
<222> (1)...(90)
<223> n = A,T,C or G

<400> 468
cacttttggg agggccaaac aaagaangnn ttggttngac cccaggagtt tgaaaccaga 60
actggacaac atagtaaacc tcatccctac                                     90

<210> 469
<211> 262
<212> DNA
<213> Homo sapiens

<400> 469
ataataagat ccttgaaagc aggcctgaac caccattgta caataaacat ttcctgcatg 60
aataaattaa tgaaagaatg aataataaaa caagatctct tcccagagaa agtttaaagc 120
ctctgaagac agcagacatc catttgaata accacataac aaagtgaatc atttatattg 180
caaaagacag agaaagcatt atacttgagg gcagaggagg gagaaagcat attactcaaa 240
taaagatgtg atactgaatt ag                                             262

<210> 470
<211> 265
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(265)
<223> n = A,T,C or G

<400> 470
cngggnttgn naaatnngcc cgtgaancnc anathnaancn cggcccacan aancaatggg 60
aggaagcata accagagtga atcgattcct tgatcctgct ctgccaaaaa attaaagagg 120
agcactcctg ggggtttttaa cccagataag acttcagcca cagccgtatt tcccatgttc 180
ctggatctct tgttctggct cttattctgc ggataaaatg tggaatagag taagcagtgc 240
gagttctgcc ggttcatctg gctttt                                         265

<210> 471
<211> 268
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(268)
<223> n = A,T,C or G

<400> 471
gacgtctggg gagctcctgc attaatgcag aaccngagga aggaaagctn gaaaaaaaaat 60
cgtcaaattg tgcgggattc ttgtaagcac agagaactat gaagacctga caaggagggt 120
atctttttct ttcattgctg tccaacaaga gagcacattg ttagtgtgct tgaattccaa 180
caaaagaagg catagaatga atcttggttg ttccctttta cttgctaaat atgtactgaa 240
tgaataaatg gtgcattata catctatt                                         268

<210> 472
<211> 456
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(456)

```

<223> n = A,T,C or G

```
<400> 472
cctgtctggg acctgcctgc agatttcagc cacttctgga tacacctggg acagggctga 60
tacctccact gtcttacact gtgaagagcg ggacaaaccg atgagtgaca gactactgaa 120
tcaatccctt ttaagctgc ttaagttcca gatttagttt taaagagaaa aaaaattgtc 180
atctttttta aaagactgca tcttctttct cctaatagct aatattttatt gagcattcat 240
gacacgtata cactattttta aactgccact gtgggttgat gtcactcccc cattttataa 300
acatggagac tttggtaact ttctaacagt acttgccag tcagccaggc ctgtgctctt 360
cagagggcga atggggncct tatactacca cctaaaggcn ggtnggatga ccatccctat 420
aactttgttt ttaattnaag acaaacatgt aattag 456
```

<210> 473

<211> 170

<212> DNA

<213> Homo sapiens

```
<400> 473
atctgccgcc tcgaagagaa acattttcag aaccaaatac agaattgaca aagagaagac 60
ggccttgagg atagagccca gctttttcat tgcgccagggt gaaaactgag gccagatgcc 120
gtgggacaga tgcagagaat gataaagtca ccaaatgacg gtgattattg 170
```

<210> 474

<211> 467

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(467)

<223> n = A,T,C or G

```
<400> 474
gtctttaacg ttttcgggga cctctggaaa acctacaggc gcggccctgg gaagctctgg 60
gtccctagga ggggagggtga ctccgcggcg tcccggaat gatcctcgcg gagctcgca 120
ggtactagcg cccccagcg tctggattga gaaacgcacc ctgcgagggt ggagaaccag 180
cccagcccca aagtgagggtg gcagaaaaac gaactcacgg ccaaaggact ggctgagggt 240
aaccagaatt gtgtaaatgt gttttgtctt gctgggctgc ccctctcct ggtcctttgg 300
ctagggagaa caggattttg tttgggattt ttcttttgct tttttcgact gtgcctggtg 360
gcgttcgcgg gnttgccant tttttaaggt ccaaccctgg cttgtttttg ggnaaaaaac 420
naaacnnaaa cccccaanga attggncttt ngggtcattt ccttggg 467
```

<210> 475

<211> 440

<212> DNA

<213> Homo sapiens

```
<400> 475
cgagctgaaa ttaccataa tccggctgat gttagactg caccatcgt tttttccatt 60
catctatgag taaaggagaa aaaaagaacg taaagacaaa atgcagctaa tactgaccaa 120
gacttacagg aacggtaaag ccctgtgatg aatgtcctgt tttttcctca ttcaaaagat 180
agagaaacag aagctcagaa tcttgcccaa aagcccagtt gttaaaggat tctcactctg 240
ttgcccaggc tggagtgcag tggccaatt tcagctcact gcagcctctt cagcagaatc 300
ttgacctctt ctgagattca gttttttcat ctgtagaaat ggggacctaa ggtacagagt 360
ttcttctggg agaattaagt gaaactgcat gcaacaccat gttaggcaca ctagaagtga 420
tcaataaata ctacttgagt 440
```

<210> 476

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(438)
 <223> n = A,T,C or G

```
<400> 476
gcatccattc accangcatc ctcagcccct gctatggcct ggctctctgg ggtcagcttt 60
gttccctgcc tgccttctgc tgaggaatca gggcagtggc gggggcgggc ccaccagccc 120
gcagtcactg gccagacac agcgtctggc acaacacccc ccgcttccca cagctgctga 180
ttcccgagga ctgccggacg cacagctcca taacaagatt ttgggaaaca aagtcaagag 240
tgaggggtgc attctgaaag gtgaacgggtg ctcacagagg aggagcctgt gtctggggtc 300
gtgtgcatcc tactctgctc acagtggagg catctttgga agaagtgact tattttctgg 360
tacagagacc attccctccc ccacaccctc tcctaagact ttgtattgaa acaaagtaaa 420
tcttacagaa attgcacc                                     438
```

<210> 477
 <211> 193
 <212> DNA
 <213> Homo sapiens

```
<400> 477
ttataatcat catgactgca actcaaagtc cttaccaaga ccctctttga atgagaaagc 60
tctgccatgc cttccctgtc atcatccact cttgcagcac agctggccct ctgtatctgc 120
gggttcacac ccgatggatt caactgaccg tggatcagaa ataccagaa aaaaaattat 180
atctctactg aac                                     193
```

<210> 478
 <211> 345
 <212> DNA
 <213> Homo sapiens

```
<400> 478
ggtcaagttt caggtgaaat cactagacaa gaaatatcat tcagactgcc tagggctgtg 60
ttctgaagct acagaggtag cttgatgtca ggaagaatag caatggcaga aaatgtttca 120
tcttgcatgc cagcacagac caatggcaat ggatgtctga atcactgggt taacaaggaa 180
aagaatgctg tgcttaagta gcaatgtctg ctctgagcat ggcaggagaa attattggca 240
cctctgtcag atatttgata tctatttctt aaatagaata catacatatt ctaagaacaa 300
gaaaagcata aacaaattaa taaattactt tctgacttct aaacc                                     345
```

<210> 479
 <211> 240
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(240)
 <223> n = A,T,C or G

```
<400> 479
ctttgtgctg catctggcct cctgctctgt nttactctgn cgctactnca cctgcatgtn 60
acctactgnn ggatccgntt ganaacaccn taatttnaga anacagagtt ttgaacatca 120
ctgaccttta ccacgggtat aaccnactct ttacctccca aggctcgctc atttgacttt 180
attttttctc attgtctctc aaatttancc aactgggnatg aataaactgg aagtaaacag 240
```

<210> 480
 <211> 504
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(504)

<223> n = A,T,C or G

```
<400> 480
aggaaaccag ntgcacagag ctgtgatttg cectgngatt tgccttgggc cttncacaaa 60
ttctagaaac ccatgacttg acatcattgc gcggccacct gactcccagc tggcttcagc 120
ctctncgttt natctccctc tactctnact ctgctgctac caagtcagac ttnttttcan 180
aatgccctgt atcattttta tgactggagt gtgactttgt tctcagcaca atgagtaaca 240
aagccaaaac actggagaat acgtttacgt attnaagaaa acctcagaca aggaagaatg 300
ctttcataat acagnacatt anaatcagac gaagcctnga agggcanaan naccgatcct 360
gaaaaatcan agtgtntctac agaagaagac gacagcggtt gagcacattt gttgaagcag 420
cctcctntcc cttatgggnc gataatccca caccgnttta ccatgctctc tggccttccc 480
agaacatcaa taaaaactgc atcc 504
```

<210> 481

<211> 274

<212> DNA

<213> Homo sapiens

```
<400> 481
taactggcag aaccacacac ttcaaaacag agactttggc tgcattctggc ctctgctct 60
gtcttcctct cactcctccc acctccatgt cactactga gggatcgctt gagaacacca 120
gaatttcaga agacagagtt tgaacatcac tgacctttac catcggtata accaactctt 180
tacctcccaa ggctcgtcct tttgtactta tttttctca tgtctctcaa atttagccaa 240
ctggtatgaa taaactggaa gtaaacagtt ctac 274
```

<210> 482

<211> 299

<212> DNA

<213> Homo sapiens

```
<400> 482
gtaatcttct catctgtgag gatatggaac cccaacctct tcctggacac ctgatgatct 60
gcttgtgatg ggctcagagt cttgaaacac agaactatga gctcatctca tatcccaatc 120
cagcagcatg gaaacctcag actgtaaggc ccaagactgg cacttgttct ctcccaactc 180
ttttctttct ctctctcctt tcttttatcc cttaattcct tcttgcttcc ttccaagatt 240
tatactatta ccttttaggc aaaacatcct gaacatgtaa aataaactaa ttaaaatcg 299
```

<210> 483

<211> 395

<212> DNA

<213> Homo sapiens

```
<400> 483
gaggagtctg agaagaccta aaacagaaga gaaaaaggcg aagaagatgc ttaaatatat 60
acattattca agtaattaac tgaagccttg agcgtacaga tgatctccga aaggacgcca 120
cagaggggag aaggctggac ttgcagaaca cattgctgtt gaagaagtga caggaagatt 180
cagagctcac aaagaagaca ggtcagacgt ggagaggcga gccagcagaa caccctcaga 240
aatactgctc tcctgttcgg atggccagtt ttcataatctt agaataatctt tcaaaaagca 300
cttcaatata atgaagttcc ctcatgtata acaaggccat ttttcatagc tatttgtgta 360
gatagtccaa aagtgtggtg tgttatcaga aagggg 395
```

<210> 484

<211> 440

<212> DNA

<213> Homo sapiens

```
<400> 484
gaagaaagca ttgctctgga aagagggaag ttcattcact catccaagaa gagcaaagg 60
agatgccctg cggctatgga ggaggggcct ccaagctcac agttcctaga agtttgtgtc 120
accatttcac atttagcacc agaatccagc cttggcagat tcagggaagg aagccaagga 180
cacagctggt ggtgaagaca gaaactcctg tgtgacaact gccccctagg acacagttta 240
gggtcaatta acatttcctg aacaacttgc aaatggaaaag agccatcccc aatgaagact 300
gaaaaatgag aggtcact catctattat gacttgaacc caagtctatc tgtgtttgca 360
```

```

aaggtgtgac tggtgcacct agacctccac ccagaaacat gttttggggc tgacatttta 420
atagaaacat agagaggaaa                                     440

```

```

<210> 485
<211> 199
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(199)
<223> n = A,T,C or G

```

```

<400> 485
tcccgtctga actgttttgt cttggccctg tttccaccca ngaagccgca gaccttgact 60
ccttggtgtt gttttctctgc ccagatgaga aacacccatc acctctgact ttccaaggag 120
caaatcacgc tccgtgcccgg gctcccccaa caacaccact ccctcttccc ttgcgatctc 180
caggnctcct ttgacactt                                     199

```

```

<210> 486
<211> 426
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(426)
<223> n = A,T,C or G

```

```

<400> 486
ctcncngctt taaatcctag ntggngnagc gggctgntna cctanaggct gtnntaggnn 60
cntcnaaacc acnccnagtt gcttcnagcc tccttngcgc cagcacatat ctgcancctt 120
gggccaccga tcctaagcca aagcctcccc aacctctggg ctcagaagca ggtgtaatcc 180
caactccagc agggaattcc agaggtgaag gtcacgggag catctttaat cttcggttcc 240
cagtagagaa gatacccaaa gagcagggag caggagccag ctccaggcta tacatttgtt 300
tattcatcaa tcattcattt atgcattaat cattcattcc cccaccccaa aaaaaaang 360
gccagnngg ccaattcagn tngnacttaa ccaggctgaa nttgntnaaa ngggggggac 420
cccaa                                             426

```

```

<210> 487
<211> 533
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(533)
<223> n = A,T,C or G

```

```

<400> 487
tttttttccc ccccccccg nggggggggn gnnnnncnngg gggccccccc tcttttttgg 60
nggttcataa aggggtggana cncctnttgg gcgcctttt tggggggggt tnaaaaaaga 120
naaaatcctc ttcttggggc ccttaaaanc ccctccctt ggaagataag gcnnnggggn 180
aacataacan ggggcccggg gcccccccca ctttatttgt cccaagcct taaaattttt 240
ttttnggtaa ttttttttna aagnaaccaa anaangggg ggggggtttt caccatgg 300
gtttgggncc caaanaactn gggggtcctt ttggaaact cccctgggga nccctcaagg 360
gngggaaccc caactttggc ccttaaagcc cttncccaa aaaggtggct tggggggaat 420
tggcaagggt ggttggaag tcaaccaca cccttgacc acaagggtact aaataatttt 480
ggncttttaa taaataagtn aaaaactggg atcatatgaa aatttaatat aag 533

```

```

<210> 488
<211> 473
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(473)

<223> n = A,T,C or G

<400> 488

```
agggaattac aatatnnctt tcnggnaagt cccggccaga gaaaagggna cattgcctgg 60
gcttgccctt ggaaanganc cagggcaggg gaaaagcttc ttgggangga aaacccttgc 120
cgtcaagnaa ggcttgggan ggaaacttga aagaaaagctt gttgttcttt ccgaagaaag 180
cttgaagctn accggggggcc aaagcttgcc aagtaagnaa tatccccctg ggatccaggg 240
gggggaaggg aaccacccat ttgttcggga ggaaagaata aggggaaacc aagcctttta 300
aacttgggga ttgaaaccaa gaaaaaatcc ttgcccnaaa ggggaagaag ggaaagcttg 360
aagcttgggg aaccgccttg ggaaccgaag aagttttgcc attttaagtt cccaagattt 420
accggggagg gnccggggccg cccgggctta nncaagtggg acccccaccg gtt 473
```

<210> 489

<211> 512

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(512)

<223> n = A,T,C or G

<400> 489

```
agcttaccct tggcntttta agnttcccct aacctntatn ggnggaaccc acctttattg 60
gantnagta gantctcctt tgttgttntt tgaaaacccc anaaantttg gnaaaacnct 120
tttttctttt ttcctttggc ttttaaactt tttggcccc cccgggggtt tcccaanana 180
acagngnggc tttcaanccc cgaanggnaa tggnaatccn naagtttcca acaccacntt 240
gacttttccc angggaacnt caaaagcccc agaagaangg ggcccaangg gacccaagct 300
tcgaggggac accacaagcc caggggggctt cttttccttc cgaaaacccc caaggggact 360
tgggactttg caagggggct tggggacaag aaggttgggg ggttgggggg gggaaaaagc 420
aaattgcctt tgtcaaaccc acgttggggg ggaagcccca ctcccatttc ccaaggttgc 480
attaaaagtt tgaaggggaa acacctcctt gc 512
```

<210> 490

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(518)

<223> n = A,T,C or G

<400> 490

```
ttcntgaaat tgangaaatg ggccccttcn gggccttcgc tngnangggg gttnttttct 60
tgtntgcttt cccggggccct ntggngggng gggtntttgc caanncnttt ttggaaaagg 120
gcccnancc ccaacccaag ggggaacccn aaanacgttt tccagnggc nttnngaata 180
aancttgaaa ggggaagtttt gggaaaacac acttgggnan ggaacaaagg gcttcgggga 240
aagcntcaat cagccccgca ttcaaaacaa gaagtggaaa cttttcttgc caaagaatgc 300
cggggaagtt ggggtttttca agaagacatt ttcaagaaaa agtggaaagg ggaagaagac 360
tcaaaggatt tgactcatga agggaccttg aaaggggtg ggacatccca aggaaaaggg 420
gcctcttgaa aatttcccac accccaagcc gccttgttgc ttgagggact ccctccattg 480
ttggggccca ggggtggccac caaataaaaa aatcctac 518
```

<210> 491

<211> 344

<212> DNA

<213> Homo sapiens

```

<400> 491
acccatgcag gagacctctc caggtacaca ttttctctgc tactgaatgg cttagactgg 60
gatttgcaag gaactacgaa gtccaagacc tttgcctttc ttttagaaga aggcaccagc 120
tggttctcca atgttgaagg tcttctccag agatgaactc tgaaagccac atgttgagat 180
ggccccatta caggatggag agcacctgaa cccccaagtt atggactaga agaagacagt 240
tgccctggaa aatcatctga cccacattgg actttatgtg agggggaaat aaacctttat 300
tatgttaagc tacacaataa taaataacaa caataattgt gttt 344

```

```

<210> 492
<211> 381
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G

```

```

<400> 492
tctccctgtc ctttttnagtn cnccaaaact ngngggaaaa nctttnaaaa atatttctcc 60
cngggnaaaaa tngngnggaa aagtccttgg cacntgnaat gggccccctt tgtanggaaa 120
aaannaaccc caggggttcn tgggagttcc ncgaaccgtg gggnncttgg angggcncca 180
angggaagaa aaaaccnccg tggaaaccct taattaaagt tttngggggg tggaagaaga 240
agaaaaataa aaaccttaaa gtattgttaa agcttcttgt catttcaaag gggtaaatac 300
caagttgtgg gaaagggcaa gaaaaaaaat ggaccactc tccccttgga tatccattaa 360
aaaggatgtc ccaaaatcct c 381

```

```

<210> 493
<211> 639
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(639)
<223> n = A,T,C or G

```

```

<400> 493
tctgggggag cctaccttgc ttttaacttcc tnaacttaaa ggtanaacaa cncctntttt 60
tnccntgaaa aacnanggcn tttttngaca ttaaagnenc ttttaaggag gtatgcccaa 120
aaaaaggnaa ncccaacccc ttnngccaaa aaatnaaacn tcaaagangg ggcnggcnaa 180
antcngggaa ncntttnccc caggggggaa gaagaatgaa cnccttttta ntggggcttt 240
ncagaaaaag gtgnaaaggt ccacttggct ttttggttg gnccttgga atcaaaggaa 300
ccnagaaaaa ggaaaattan ttggataccc aatggggaag ccttggaaga atgccatttt 360
ggtttgggga agggtttttc ttgtcttcaa acttgggtct cttgacaaag cctcttgact 420
tggaatggta ttcccggtgc ttgggccact tatgccaaag aaggcatcat taaatttaag 480
acggggactt ggcttgcacc tttccttgaa gaaagccaag actttccact tggatgggaa 540
agaagcttga aaaaaccacc aaagcccagg gaagtggcaa gaaccacttg gnccttaatt 600
tgcttncttg aagaattncc attattaata aaaagaaaa 639

```

```

<210> 494
<211> 342
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(342)
<223> n = A,T,C or G

```

```

<400> 494
ntagcctcag gatggaggtg gctgccagaa agaccaagta atgatcagaa gcatggaact 60
ttcagaccta ttcctcccaa cttctggaga gggngagtgc ctggagactg agttaataat 120

```



```

tgatcacgtc tacatgatga aacctctaag tgacaaggat cagagagctt ccaagttggt 180
gaatacatcc atgtgcaggg aggggtggcct accctaacc catcggacag gagcacccat 240
gttcaggaat cttctggacc tcaccttatg tattaatctc tctttatctg gctgttcac 300
tatattcttc atagtatcct ttataataaa caagcaaagt tc 342

```

```

<210> 495
<211> 613
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(613)
<223> n = A,T,C or G

```

```

<400> 495
ntcntgaaac tggagttcgg ggtngtncna ttaattgggg aaatgggann ggggaaaaat 60
aaaaatggaa ctgggaatgg gngccgcttn ctttttttaa agntttcaaa aaatgaccat 120
ttnccaaaaa caaagcccgg gggccttgga nccccggggc cttggttttt aaaaaatttt 180
aacaacanc aagttccttg ggggaaaggg ngggggaacc cacccaacct ttttctttga 240
aataaacttg ggggaagaat gaaaaacaag ggaaagcttc ttattgaaca ccactttgga 300
atcggaataa ttgaacaaga acaccgggaa aaaatcaacg aacttcaagc ccccttccaa 360
gccaccttct tgccttggtt gccccgccc aatcacagc ccgggaatgg caagcttgaa 420
aaagaattcc cttgggggcc cttgggntcc caaacccgcc cacttggtgg actcttgaag 480
gccctcttgc atttgtgggg tggggtcttg ccttgtggat aatttttggg tcattggggc 540
ttgggtcttg gtccgggntt ncccatnttg gtcttgggcc aaggctctat ggtnggcttn 600
aaatcccttt ggc 613

```

```

<210> 496
<211> 611
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(611)
<223> n = A,T,C or G

```

```

<400> 496
tcannaaact ggagggacgg gncacgncaa neganncccc tggggggggct nttaaaaaac 60
tttttcaggg agcccttatg aaacaaaacc ccgggggtgn gttangnta ctngggctng 120
ngtcccaccc nactgggttc tttttttct tnttggggcc ccanaaatgg aagggggatt 180
gccccaccaa ngggaccccc tttccaacca gaaccnngg gacttattat taaacctnt 240
tttttgcgcc cnaccattga atgggacttt gnaaccgcga aaagcttgaa ggnccattcg 300
gataccgccc taaccctta cccccgggga acaatcttct attgggaaaa acaagccggg 360
ntttttttcc gactttttac aaagccttcc cggtngggct tgggaaggcc attcttaagc 420
ttggcaagaa aaacaagcaa gggaaaggat gcttccggg ggaagccctt gatgccttga 480
aaaatgaaaa aaattantct taaaggctat tcaaatatca agccaagcca tttttttcca 540
nggagaaang gaaaaaaggc cgaanaaaaa aacaaatttt ccaanaatgg ggttgncttc 600
cttccaaccc a 611

```

```

<210> 497
<211> 436
<212> DNA
<213> Homo sapiens

```

```

<400> 497
gaacccaaaa gaatgcccag aatgccaaga acagtgaaca gccatatgca aacgggcaat 60
actgatgtta gctttaaaag taaggagttc agagtgtct gtgctgaaca tctttcgggtg 120
taattaagcc ttcataattc tgaggaggag ctactaagac accctaccaa gtccctgggt 180
gtgcctggag gttagaaaac gaaccacata gtcctgtaat gacagaaaaa aattgaaaac 240
tgtattttta aaatgatttc tcaacaagac cagccggcca ctcaaccact tcagtacctc 300
gtttctggat gaagaccctg agcaggggat ttgcactaga aaccgccttg cagaagttgt 360

```

catcattgtt gatgggcagc aggtctccgt gcacatctgc atagccaata gttacatcac 420
tgttggagat atggtg 436

<210> 498
<211> 445
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(445)
<223> n = A,T,C or G

<400> 498
gttctgattg atnccnaggc tnttgaagta naccacacca tttaagccag agagggagat 60
tnaagtggan atngcngcca cctattatnc cnngatatat ttggtatacn aacnaagaaa 120
ctnaatnatn aatngacna tnaattttta gggaaaagggn aaaagnaaac nccaggggggc 180
cggggtggcaa ttgnttttcc nttcttagtc ccttcaaaaa agtagaaaat agtgganatg 240
aagcaggggt gatatgaatt tggcttgctt ccccccccaa tcttaccttt gcttgnaggt 300
nccataatcc ccacatgtgg ggggaggaag cctttaggag gtgatttaat catgggggtg 360
gtaccgcgat gctgtctcat gataatgagt gagttctcca agaattaacg cttttatagg 420
aacctttttc cccttttact tggcc 445

<210> 499
<211> 295
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(295)
<223> n = A,T,C or G

<400> 499
gttcttccca ttctggagta anaggatgtt gcnttnnaag ggtngtggga agggnnncnan 60
aancttnccn ggantaangg cctaagggng gctttnngacc aagggaccct ccaagtcaag 120
gttcttttta catcacatat tgggaccccc aacagctggg cttcttcaag gtgagacaag 180
acctgtgggt tgaatccacc atttaatggc tgngtgatca tgtgcaactt actcaacctc 240
tcagagcctc aagtttcttc attaataaag tggagataat aatagaacac acctt 295

<210> 500
<211> 181
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(181)
<223> n = A,T,C or G

<400> 500
ggtttccctgg agttnngatt ttgctgactg cacactcacg gtgctatcca acatgancat 60
cttccctgca gtttctacaa tttggcagtt ggatccacct gaatcctttg gcaaggccaa 120
acgtggtgtc tnangaagaa cacattgaag tctctgtttt ttaaatatca ttatgacctt 180
g 181

<210> 501
<211> 469
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(469)
<223> n = A,T,C or G

<400> 501
cagaaactga gatgaaagct ggggttggag atggagtttg tcattttntg ancttaaann 60
nactngcntn ataacaaaag ccagcncacc ccanacngga gaatggaaag ggaggaaaaa 120
tttgggtccc gtctttttaca agggntgntg agttacttca ccaatcctgg aatgctgac 180
tttgggaac ttgttaaaca gtctttccac cccctttgtt cgaagctttt ggtgaagtgt 240
ttcanaaact gacgaaatgc aggatcggtt tccttacaca cacaaatgcc atggcaacag 300
caacttcgtg acaacagcaa agaaagccag actgggaatt tgccaacca gagtggtgac 360
catctgtgag ggcccaaacc cttcaaagtgt tgccccgttc taaagtgctt atcttaaccc 420
angcttttgt acatagcaaa agcgacattt aaagtgacat aagaatggg 469

<210> 502
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

<400> 502
tttttttcca attggggggg gaccaaattt tngggggtna aattcccaa tanggggtggc 60
cntttttttg ccttgggaac gaccattttg ggggggaaan ttaaaacccc ccccttnttt 120
ggcnnenttg tntgnaaaag naaattggcc ccccggggcc ctttttttnc ccccttgggc 180
caaaggggaa ttttttaaac cctttaaaaa attgggtntt ggccttgggg gaacctttgg 240
cccaagaatg ggccccaaaa agnggggnacc cccaataact nttanccccc tntttggcct 300
tggttcaagc nccccaaaag naaaaanaaga ccctggngtc nntttggggg aggtggggng 360
gaaacccaaa atcccatttn gggggnnttt ttttaaacct 400

<210> 503
<211> 185
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(185)
<223> n = A,T,C or G

<400> 503
ttgggggggg tttcccccaa aaaaaattt tccgccttt tctttcagtt ggannnggtgg 60
ggagccccna atggaactta aaaattttctt gttggggggt tggggaggaa gaataaaaaa 120
tgcccccttt ntngggggcc cttggacccc ttattttggc cccttgccca ttgcttgggc 180
ccttg 185